

ROCKY MOUNTAIN ARSENAL
NORTHWEST BOUNDARY CONTAINMENT/TREATMENT SYSTEM
BASELINE CONDITIONS, SYSTEM STARTUP,
AND OPERATIONAL ASSESSMENT

REPORT FOR FY 85/86

VOLUME II
PLATES

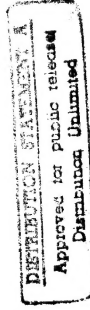
by

Program Manager Staff Office
Program Manager Rocky Mountain Arsenal
Contamination Cleanup,
Aberdeen Proving Ground, Maryland 21010-5401

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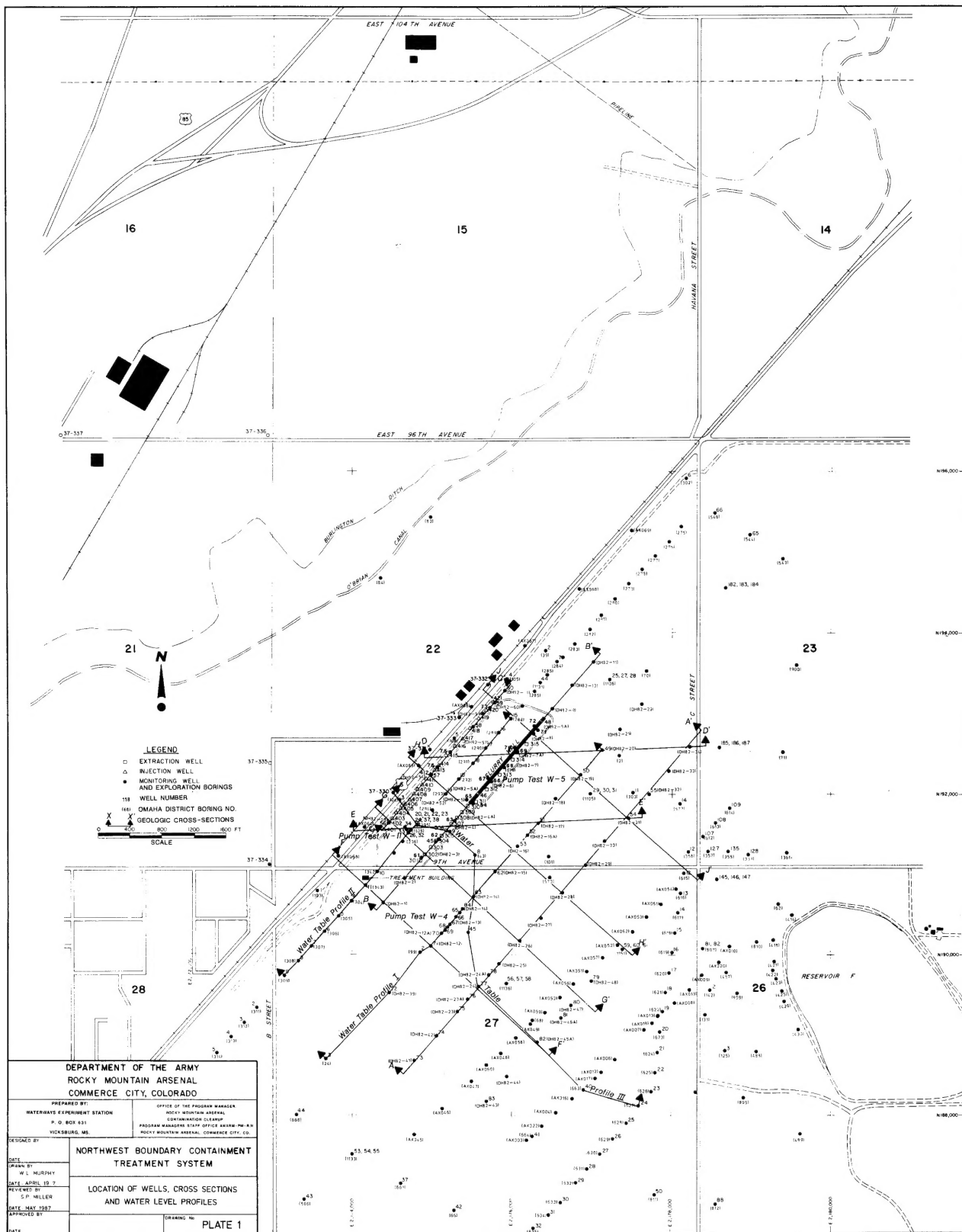
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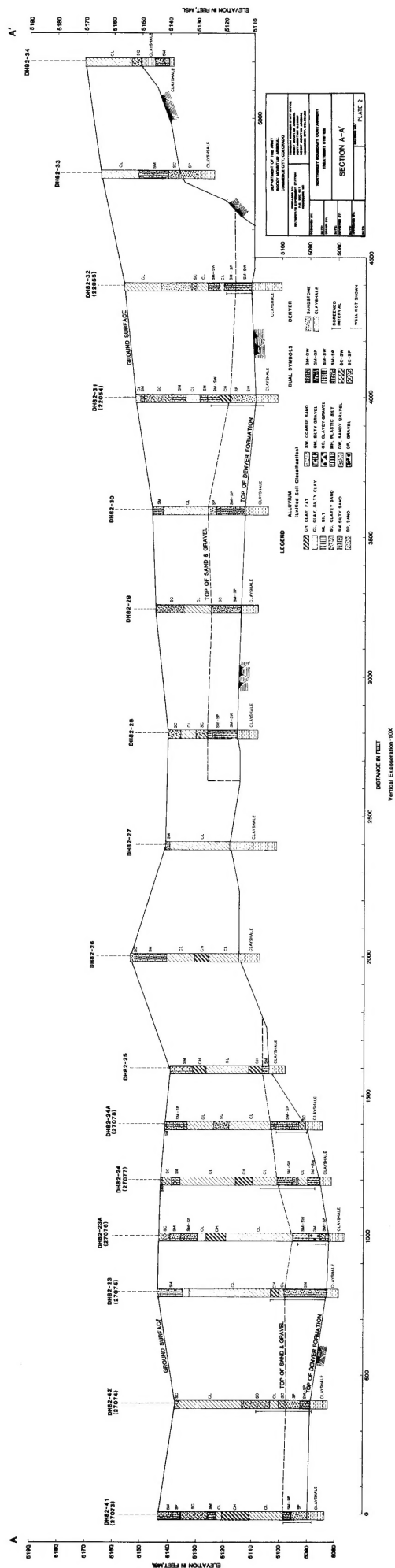
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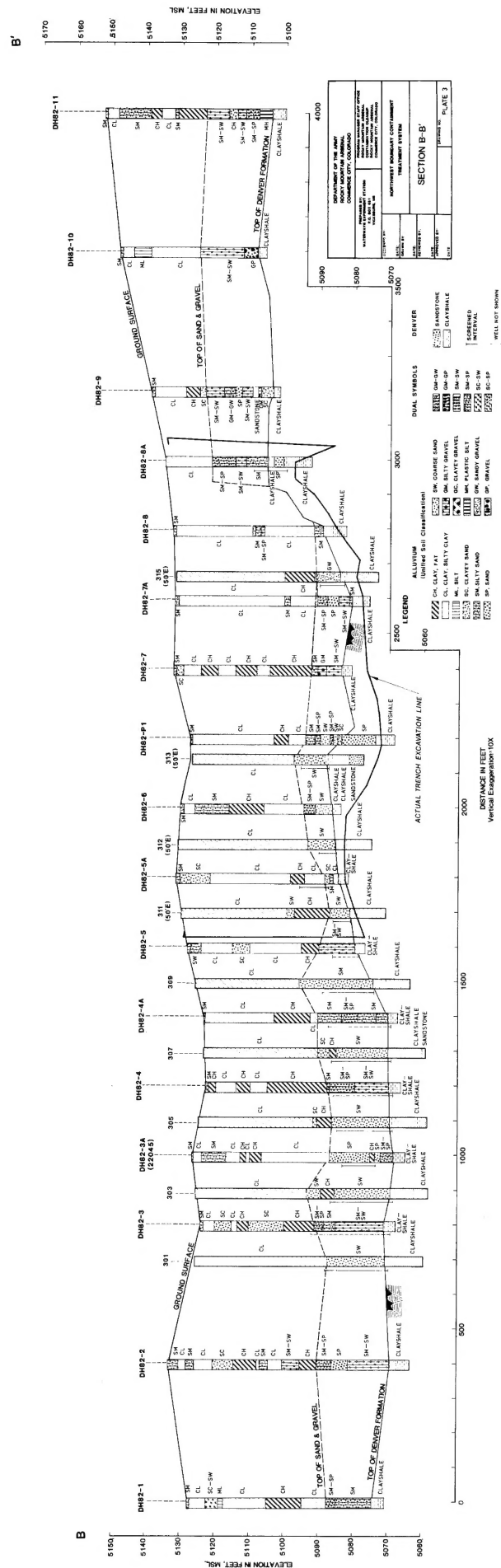
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4. TITLE AND SUBTITLE ROCKY MOUNTAIN ARSENAL NORTHWEST BOUNDARY CONTAINMENT/TREATMENT SYSTEM, BASELINE CONDITIONS, SYSTEM STARTUP, AND OPERATIONAL ASSESSMENT, REPORT FOR FY 85/86			5. FUNDING NUMBERS	
6. AUTHOR(S)				
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) ROCKY MOUNTAIN ARSENAL (CO.). PMRMA COMMERCE CITY, CO			8. PERFORMING ORGANIZATION REPORT NUMBER 88054R01	
9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES) ARMY ENGINEER WATERWAYS EXPERIMENT STATION ABERDEEN PROVING GROUND, MD			10. SPONSORING/MONITORING AGENCY REPORT NUMBER	
11. SUPPLEMENTARY NOTES				
12a. DISTRIBUTION/AVAILABILITY STATEMENT APPROVED FOR PUBLIC RELEASE; DISTRIBUTION IS UNLIMITED			12b. DISTRIBUTION CODE	
13. ABSTRACT (Maximum 200 words) THIS REPORT WAS PREPARED TO DOCUMENT AND ASSESS THE STATUS AND OVERALL OPERATIONAL PERFORMANCE OF THE NORTHWEST BOUNDARY CONTAINMENT/TREATMENT (NWBCT) SYSTEM. THE REPORT CONSISTS OF THREE VOLUMES: 1. MAIN TEXT 2. HYDROGEOLOGIC AND CONTAMINANT DISTRIBUTION PLATES 3. DATABASES DEVELOPED TO SUPPORT THE EVALUATIONS AND ASSESSMENTS. THE REPORT COVERS THE OPERATING PERIOD OF OCTOBER, 1984, TO SEPTEMBER, 1986. THE OBJECTIVES OF THE REPORT INCLUDE: 1. ASSESS THE CONTINUING EFFECTIVENESS OF THE NORTHWEST BOUNDARY SYSTEM IN PREVENTING OFF-POST MIGRATION OF CONTAMINATED GROUND WATER 2. DOCUMENT SYSTEM OPERATING PARAMETERS 3. IDENTIFY AND DOCUMENT SYSTEM IMPROVEMENTS 4. IDENTIFY AND DOCUMENT OPERATIONAL IMPROVEMENTS THAT WILL ENHANCE LONG-TERM SYSTEM EFFECTIVENESS.				
14. SUBJECT TERMS GEOLOGY, HYDROLOGY, CONTAMINANTS DISTRIBUTION, DEWATERING WELL DATA, GC/MS ANALYSES			15. NUMBER OF PAGES	
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GEOLOGY PLATES **01 thru 13**

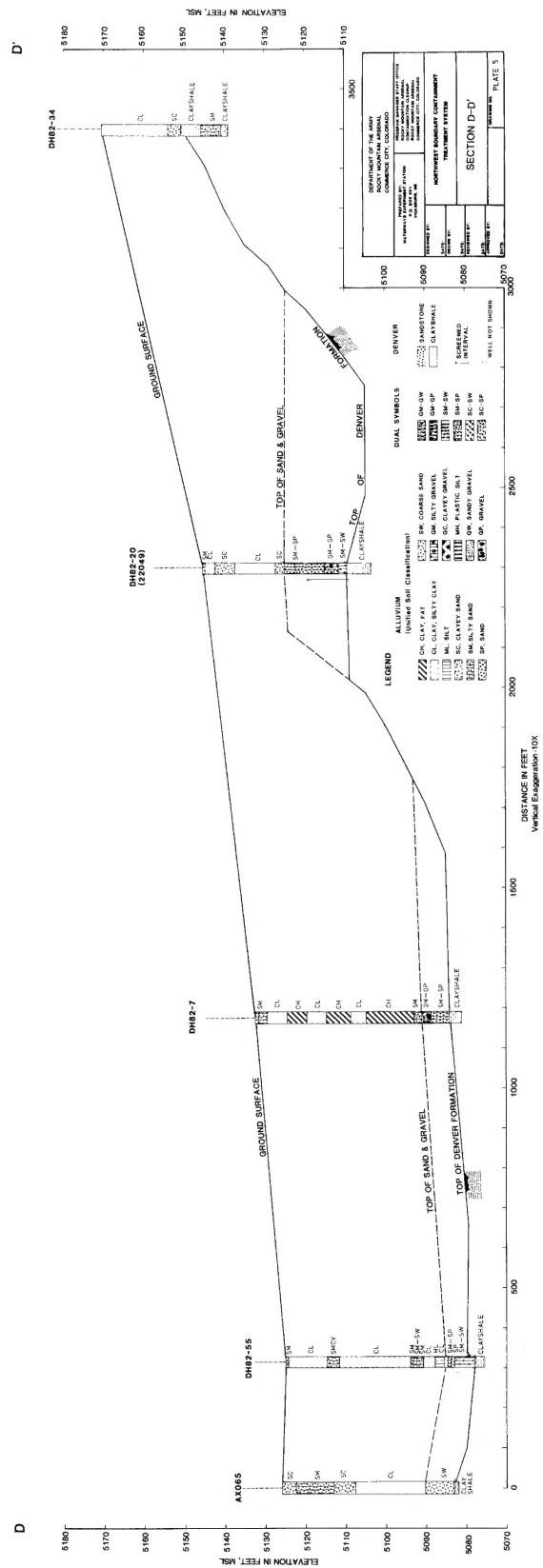
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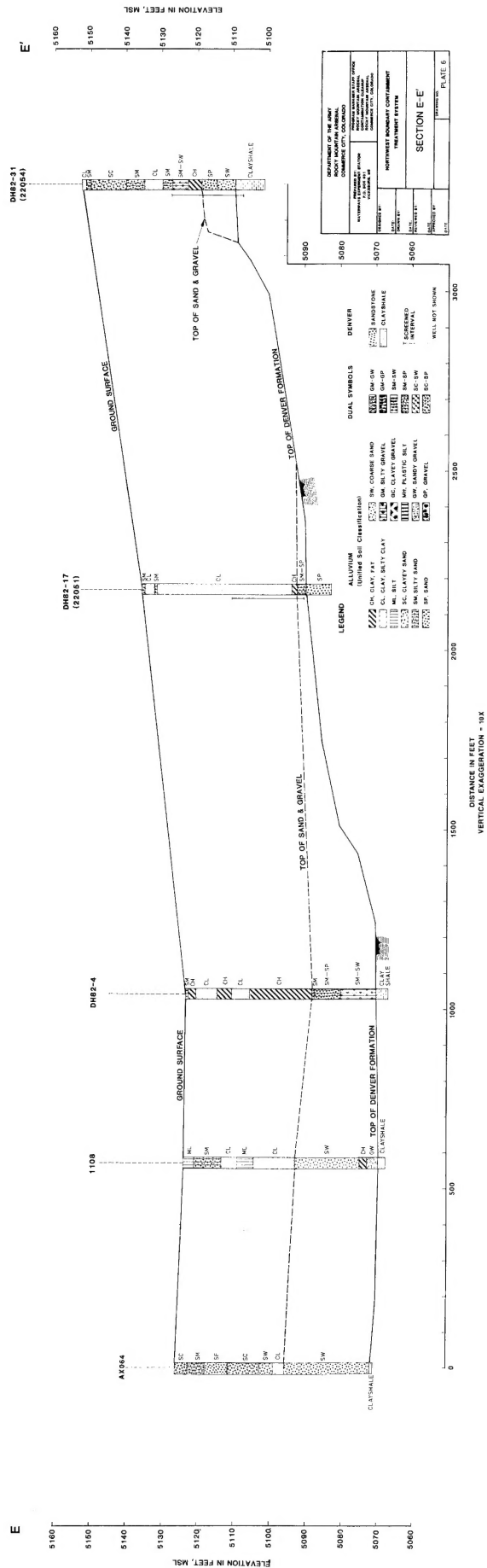


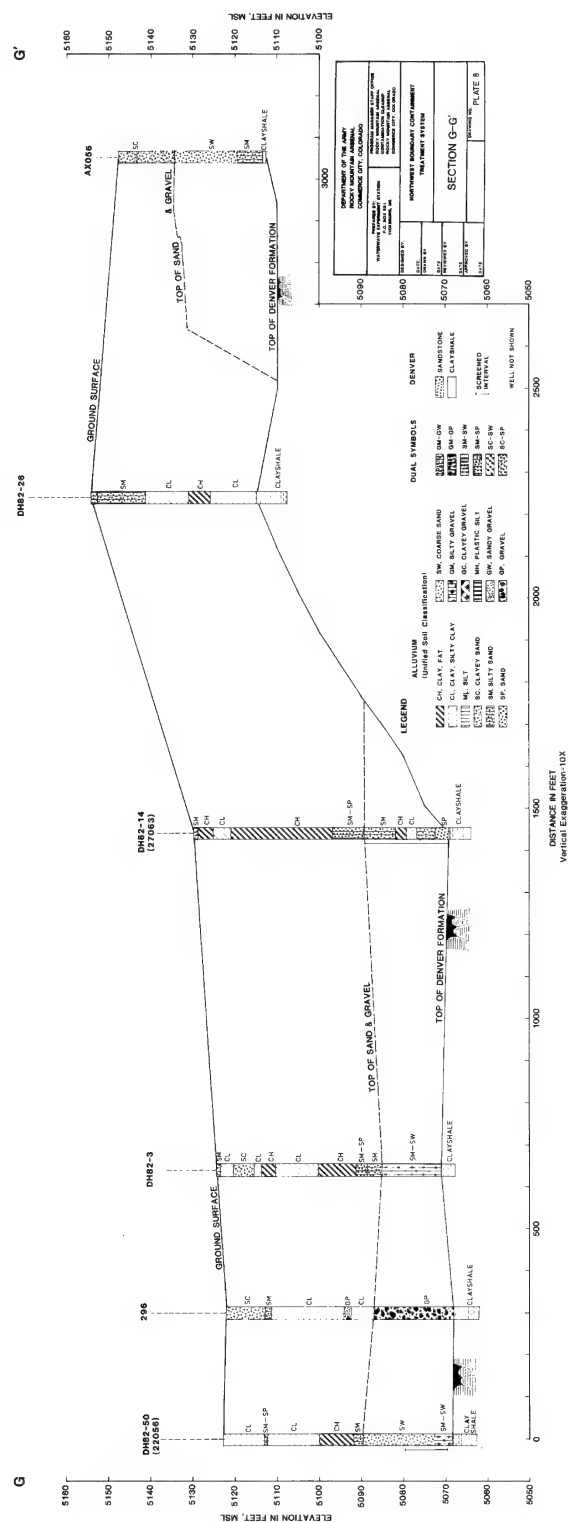




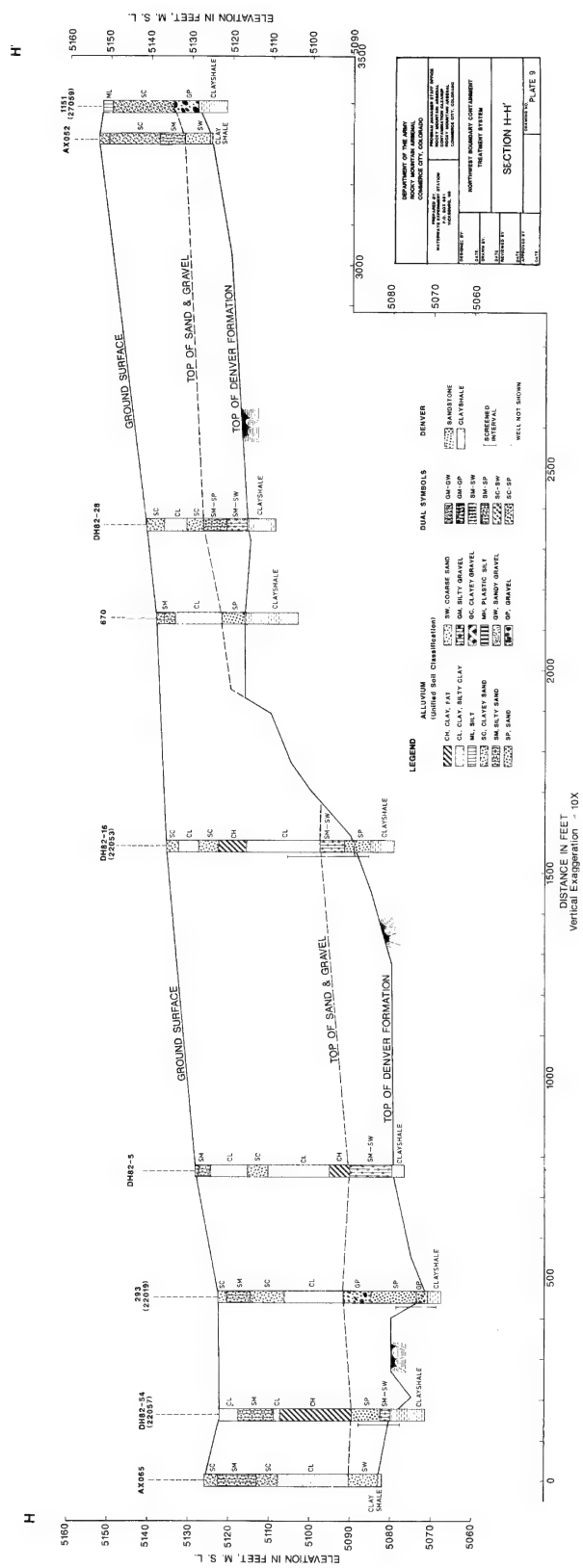


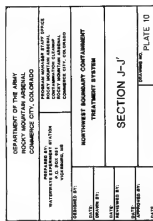


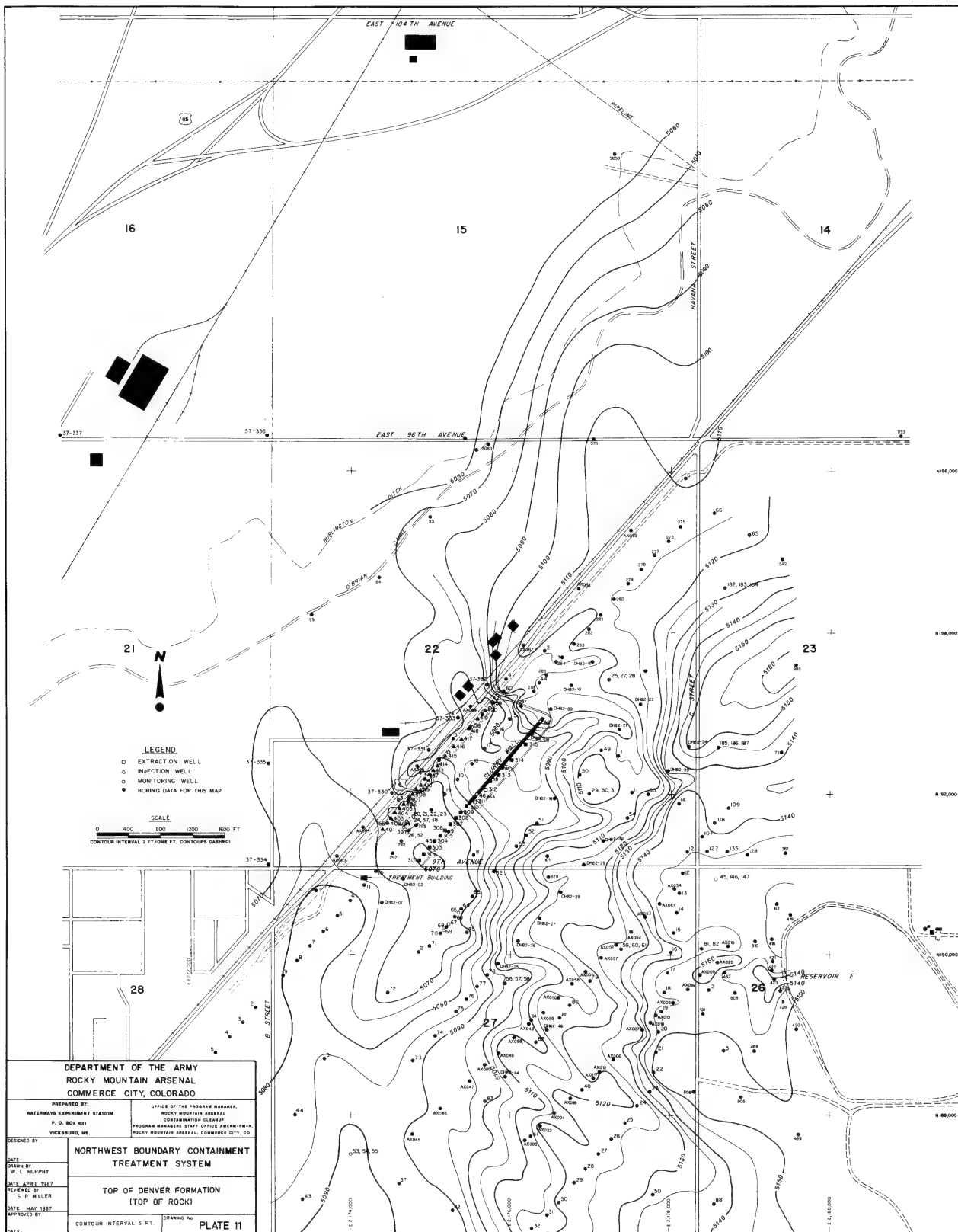


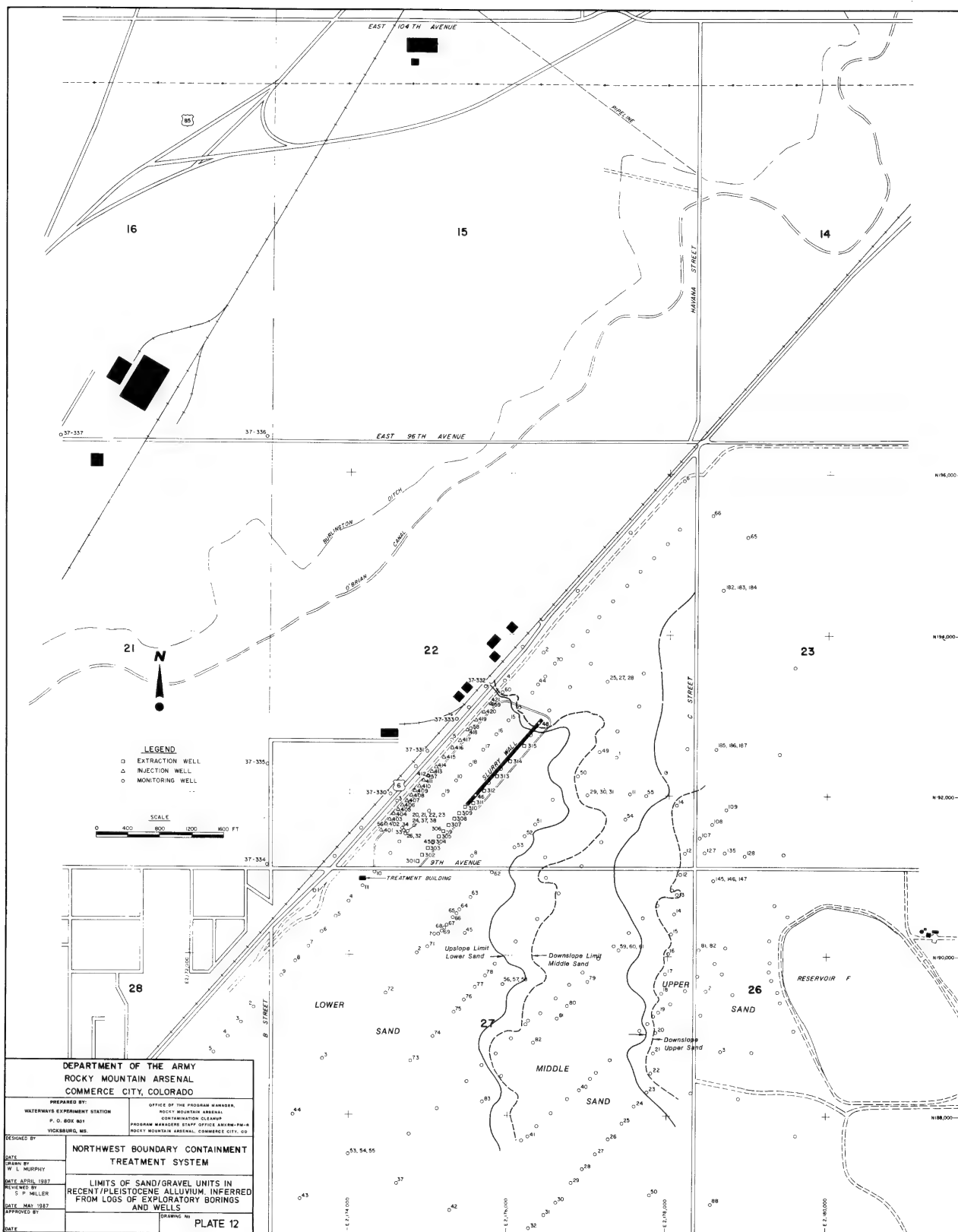


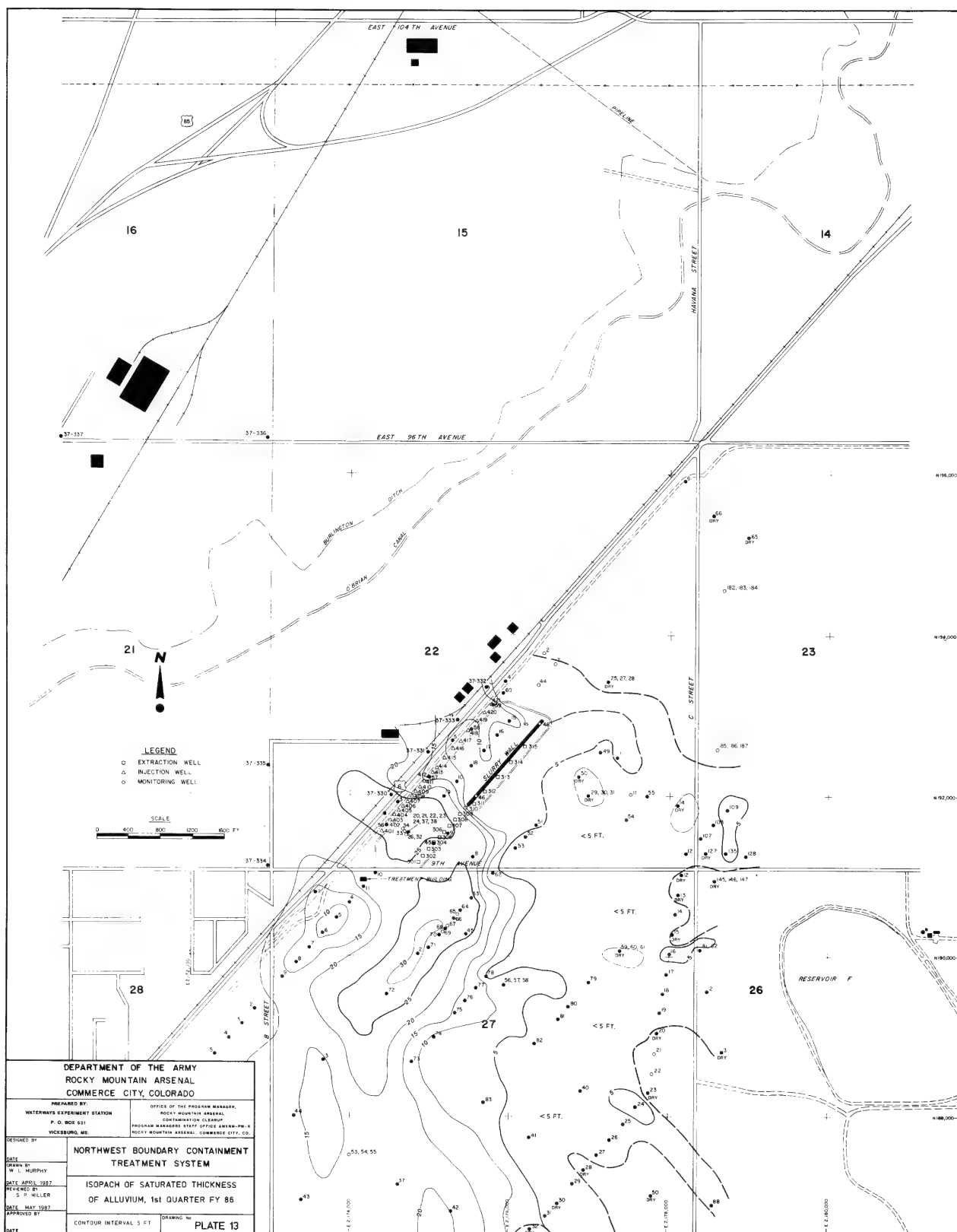
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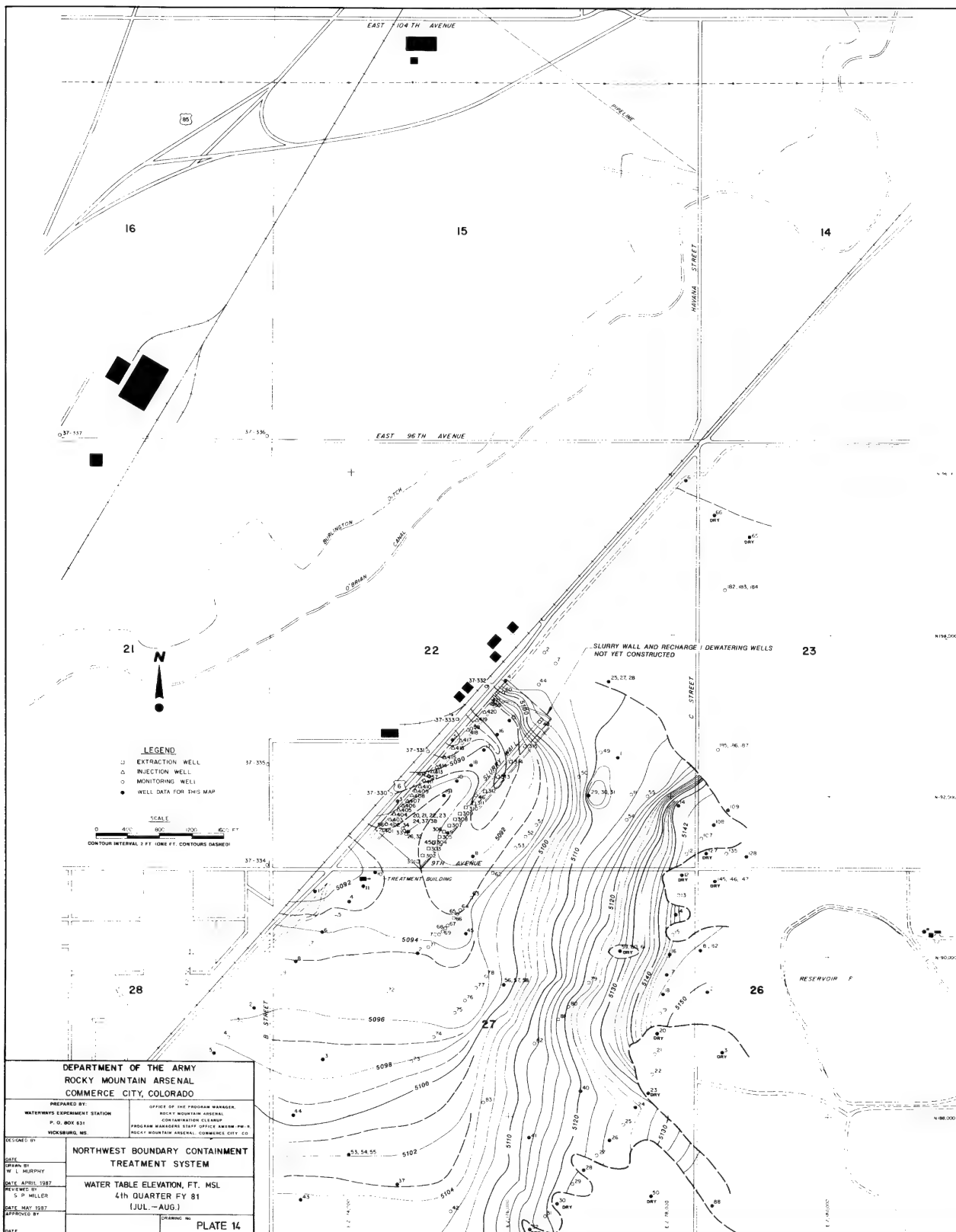


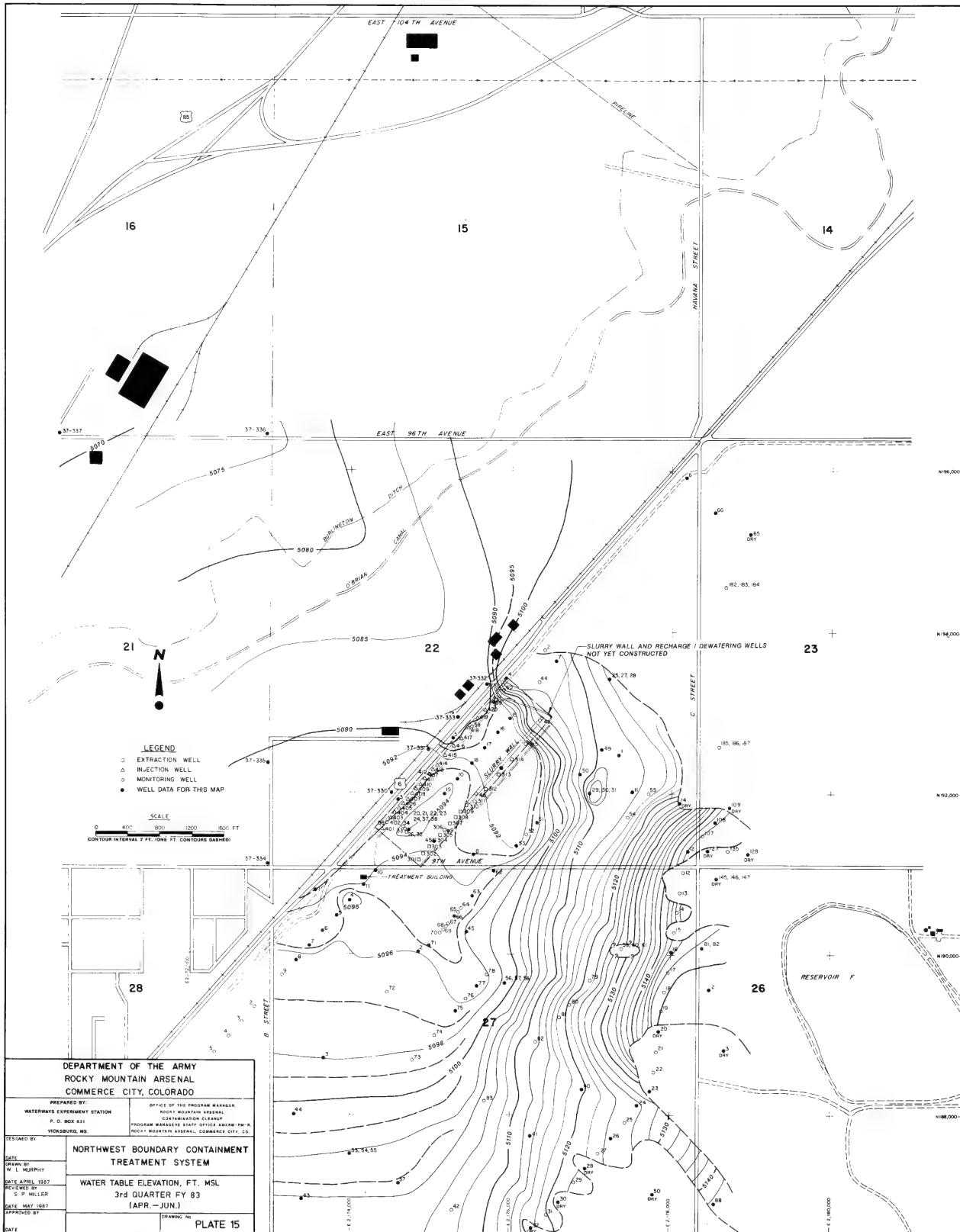


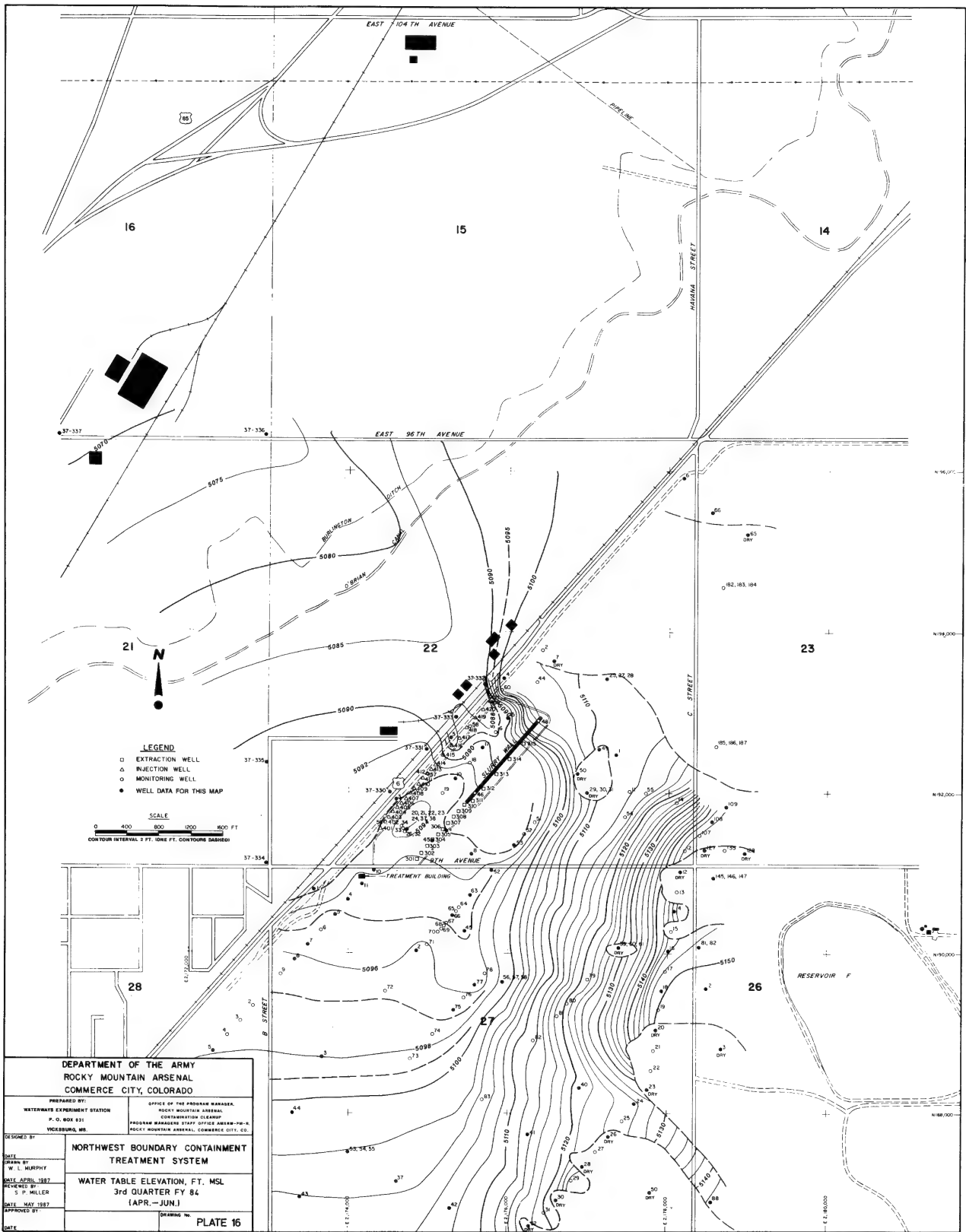


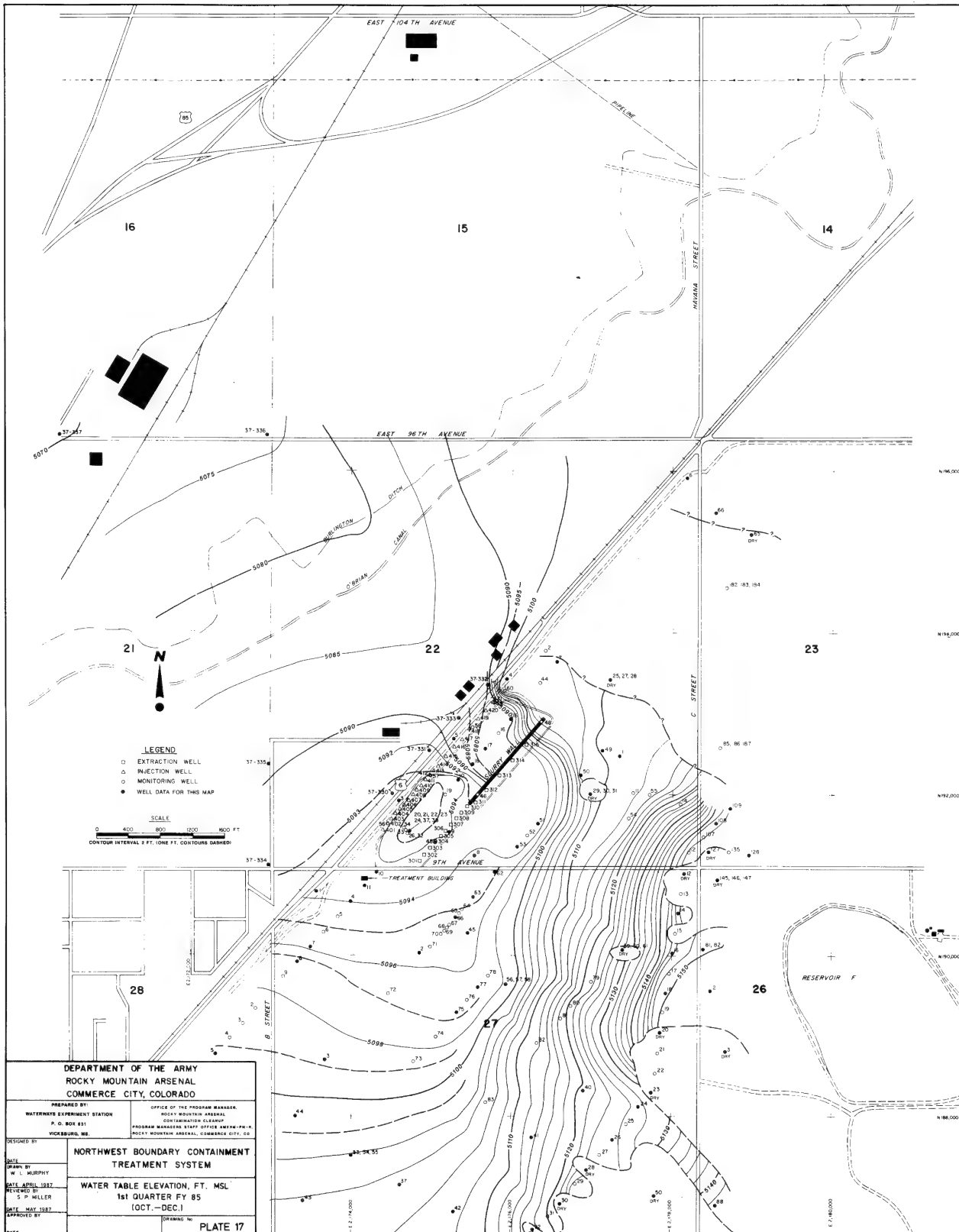


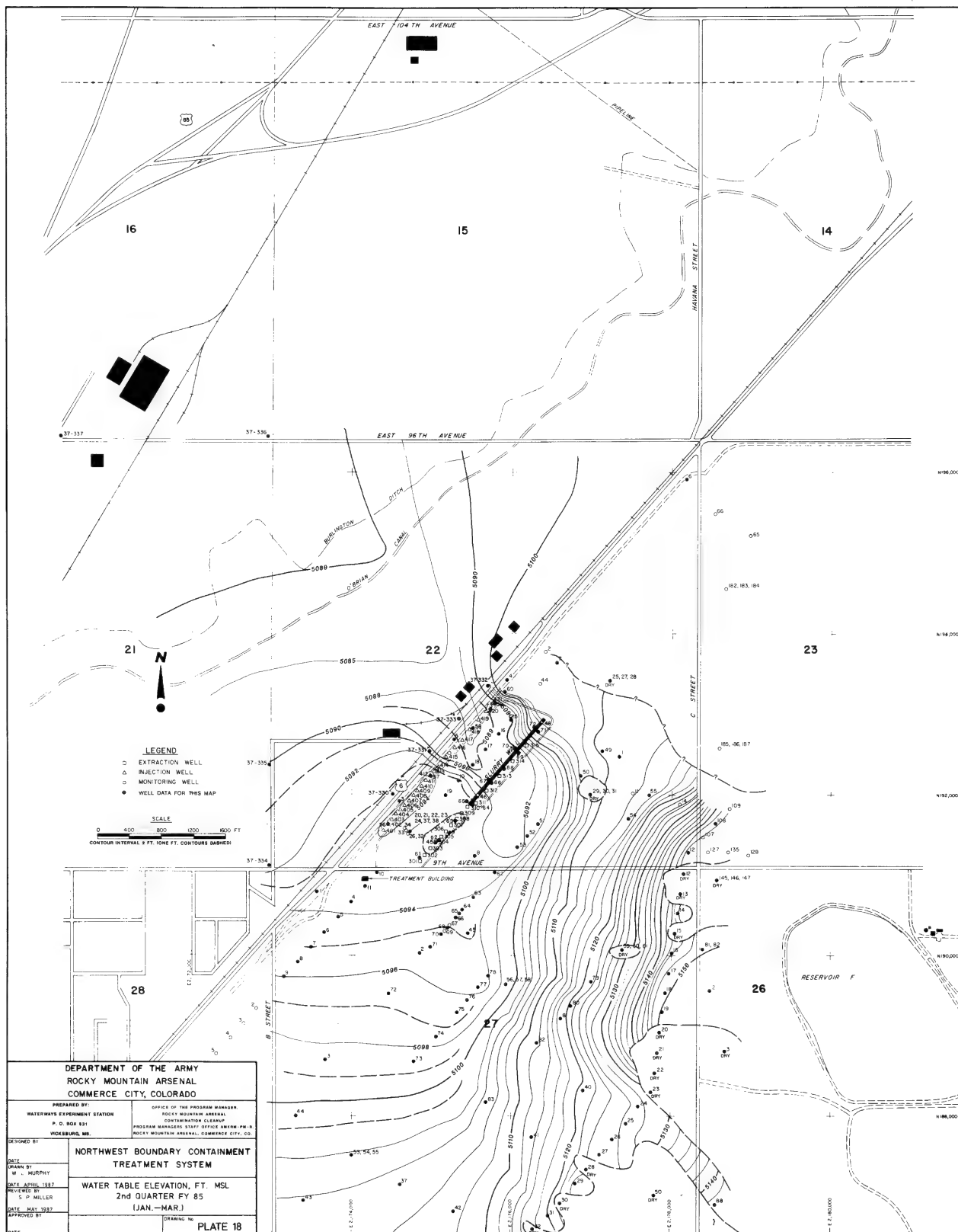
HYDROLOGY PLATES
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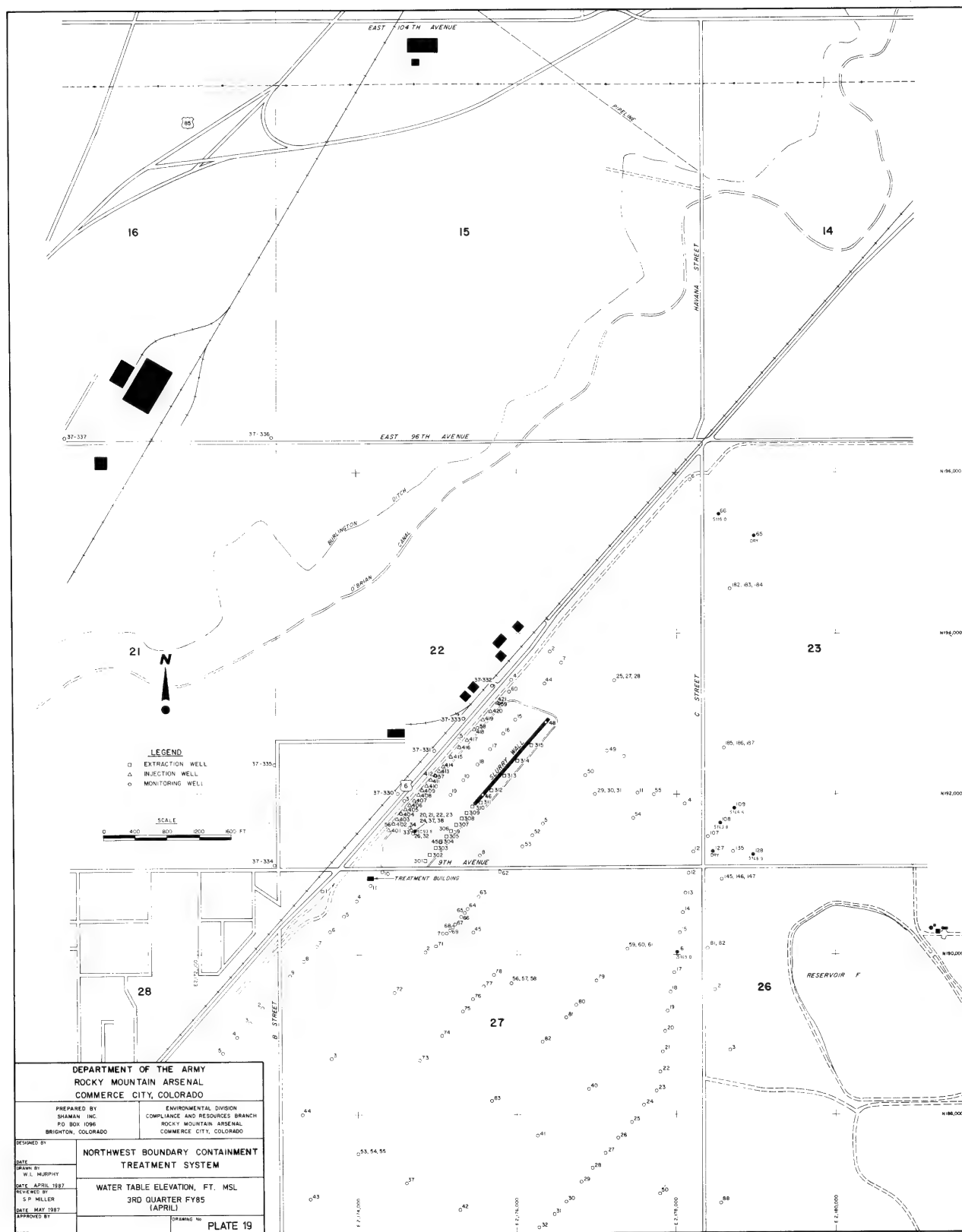


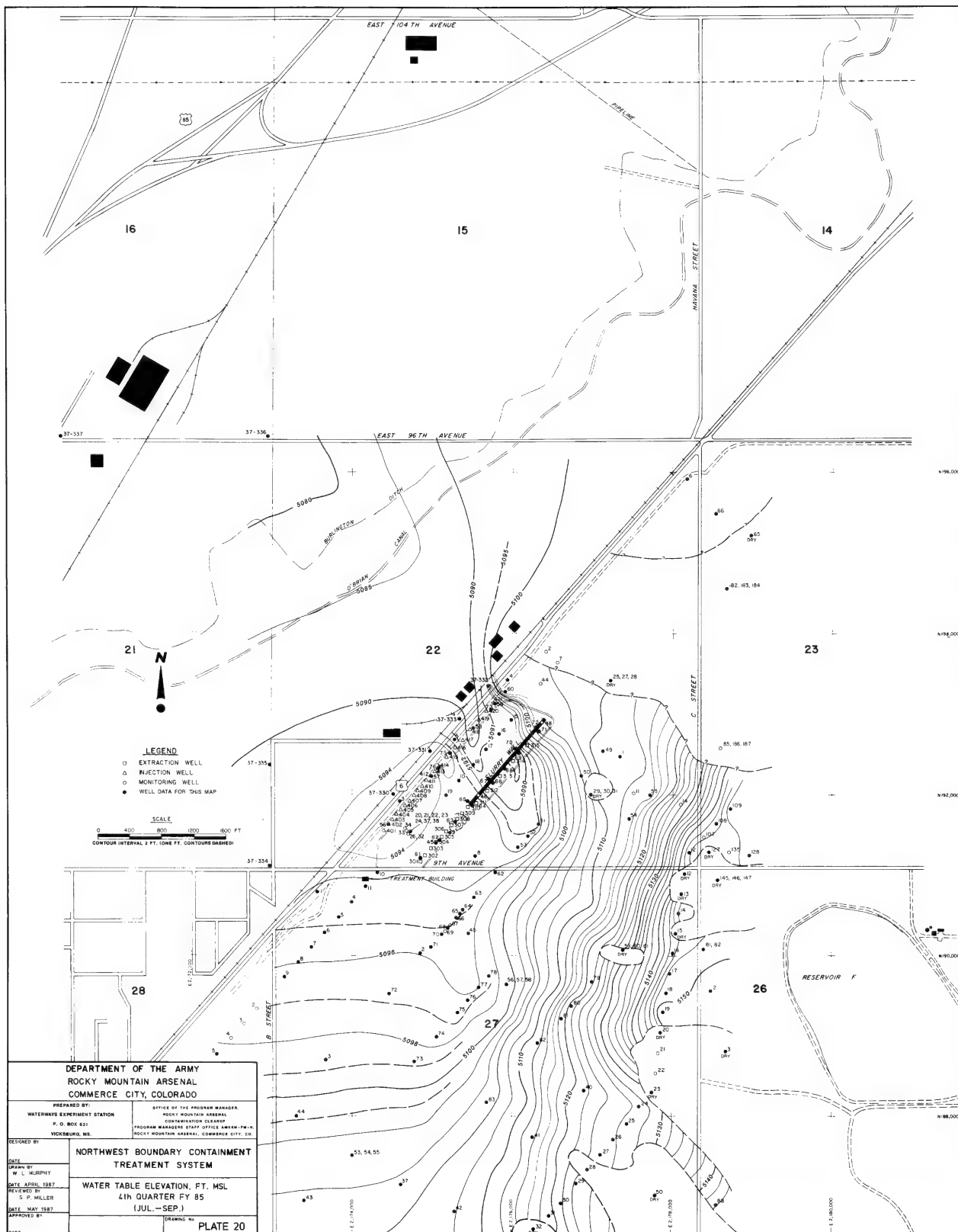


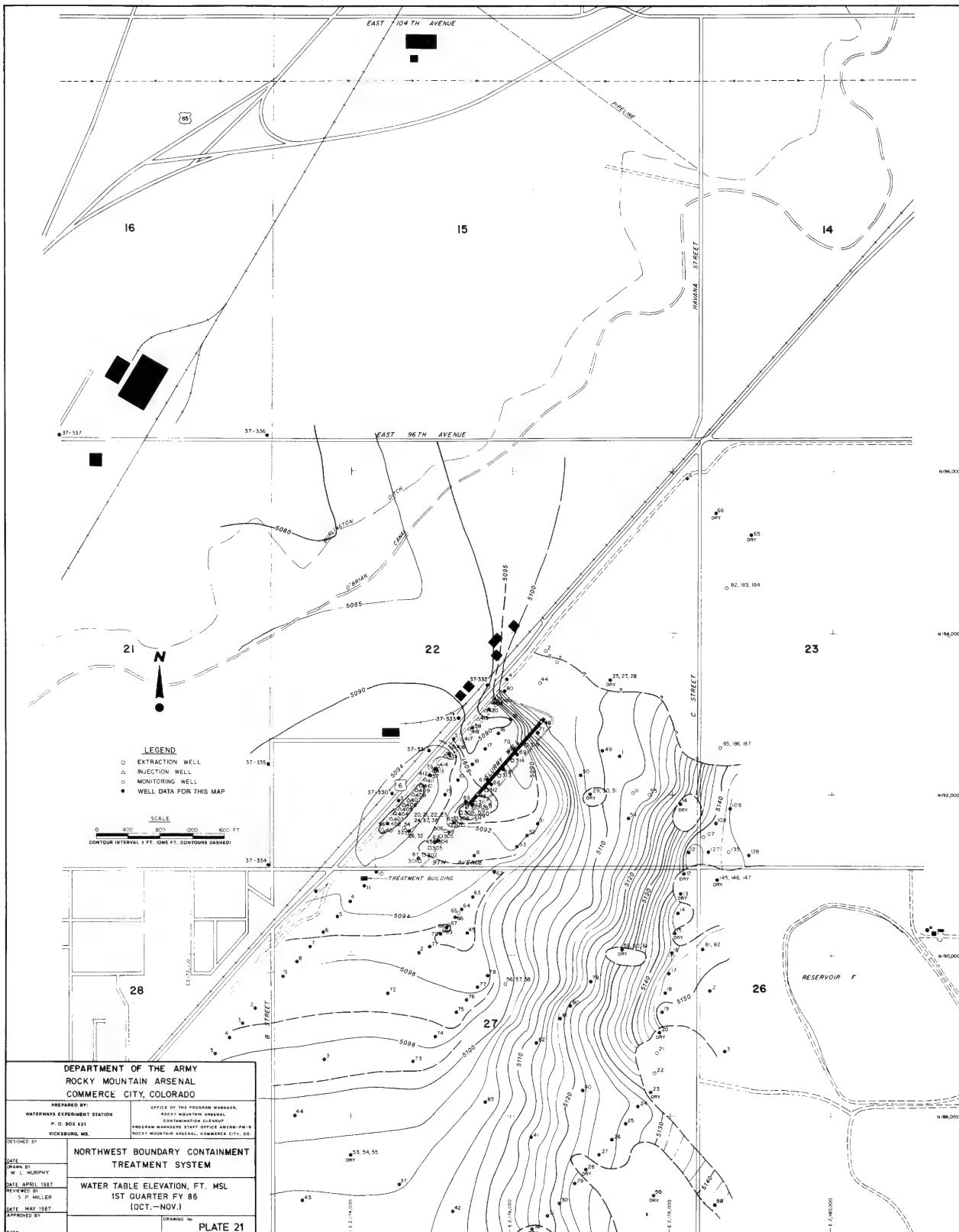


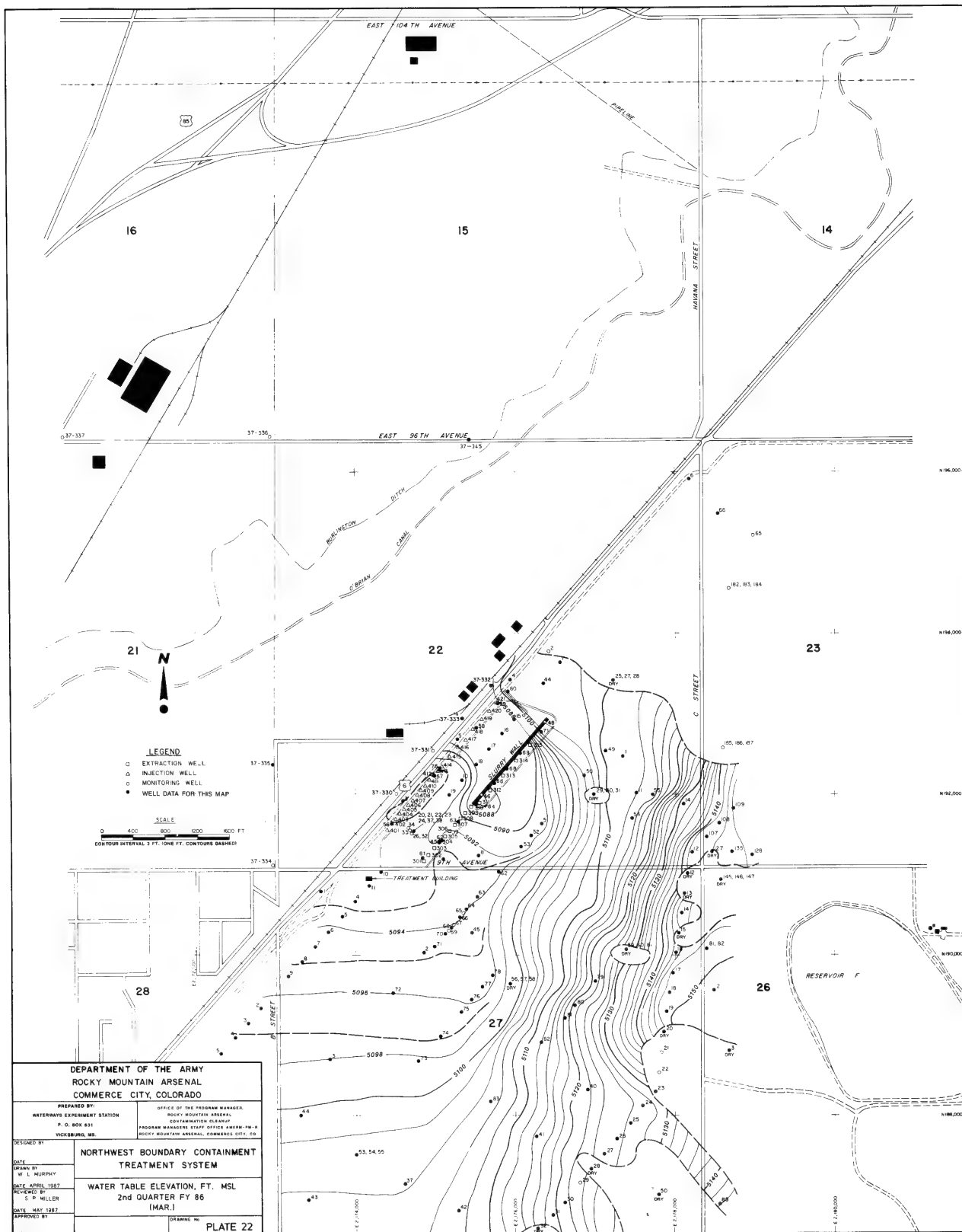


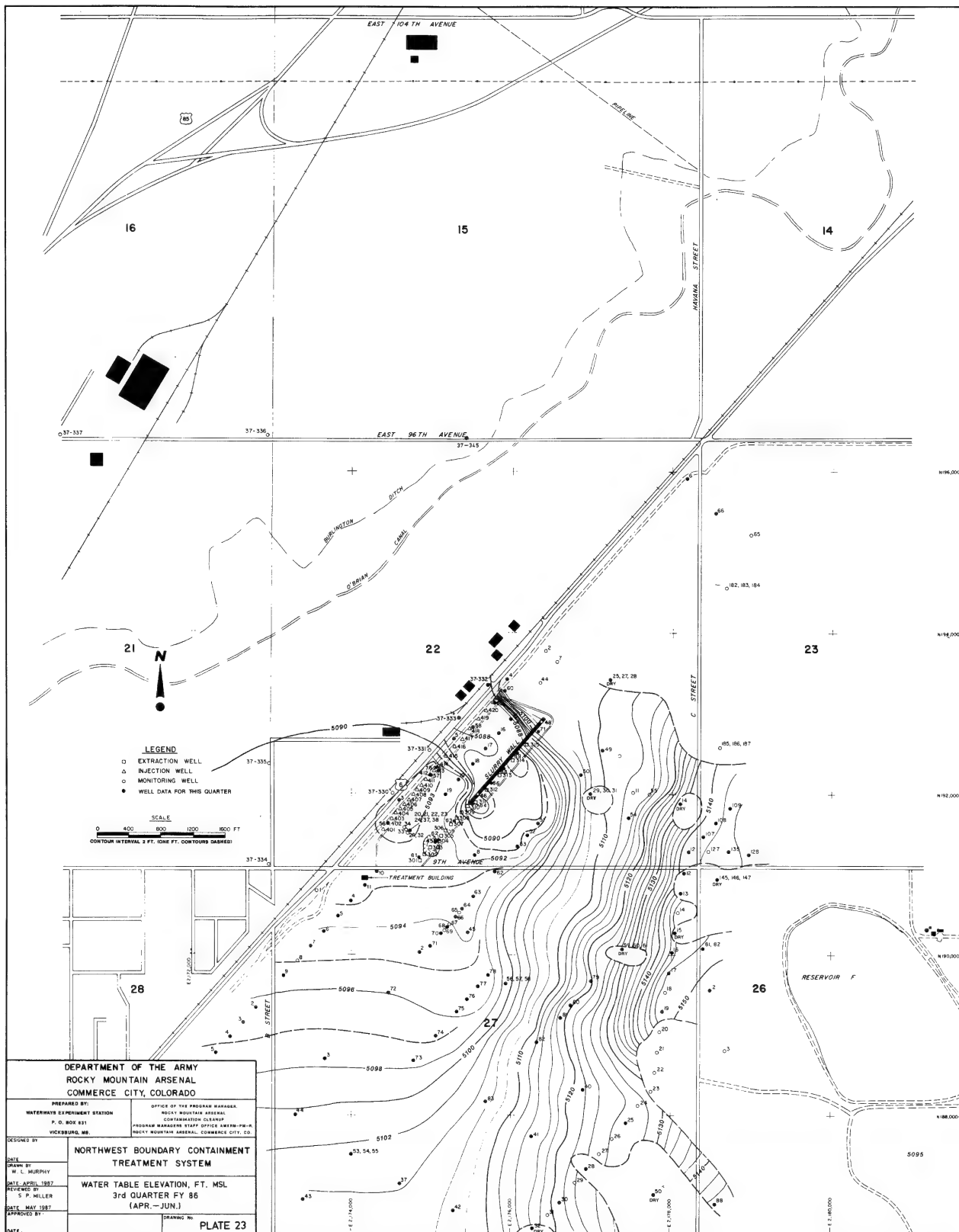


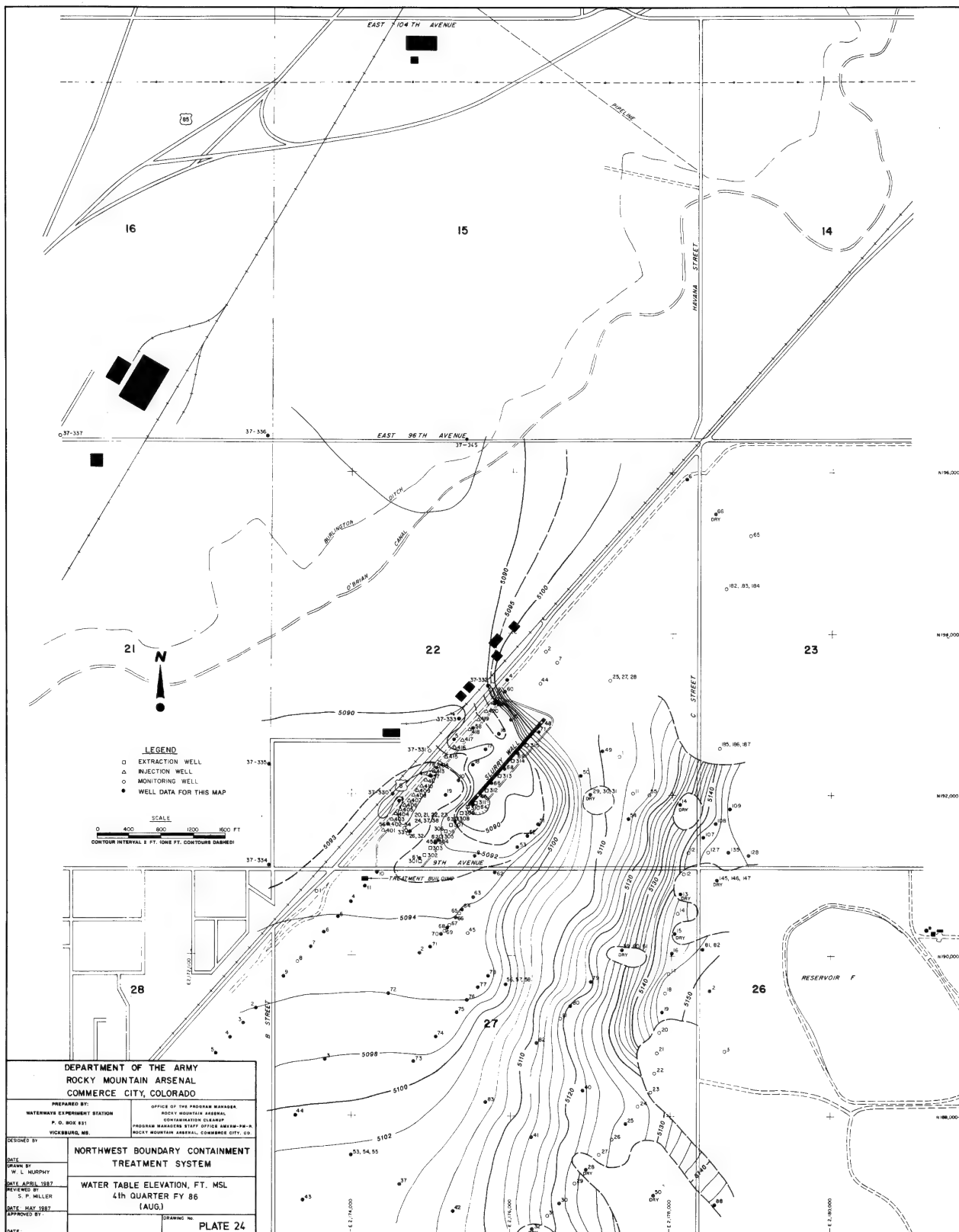






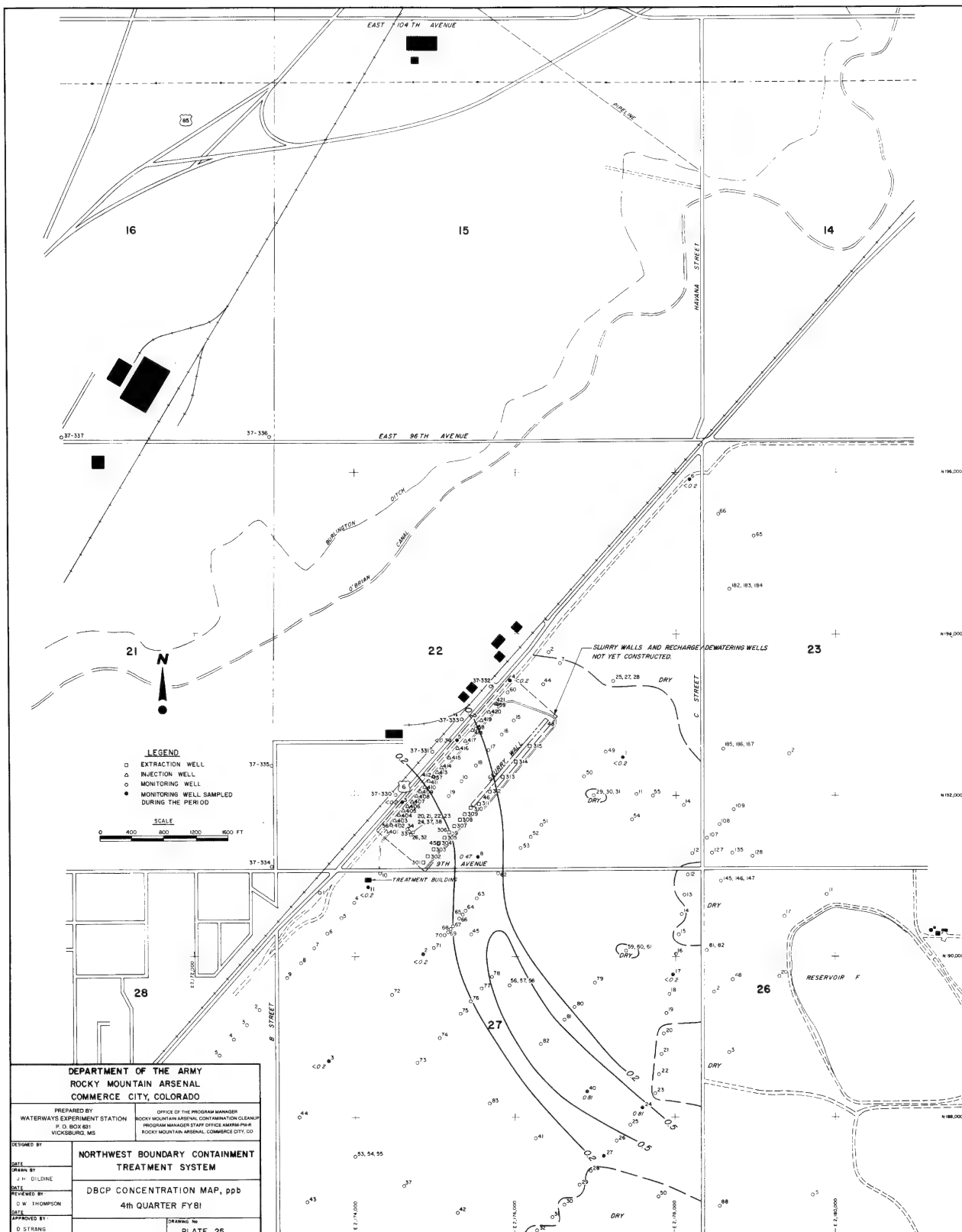


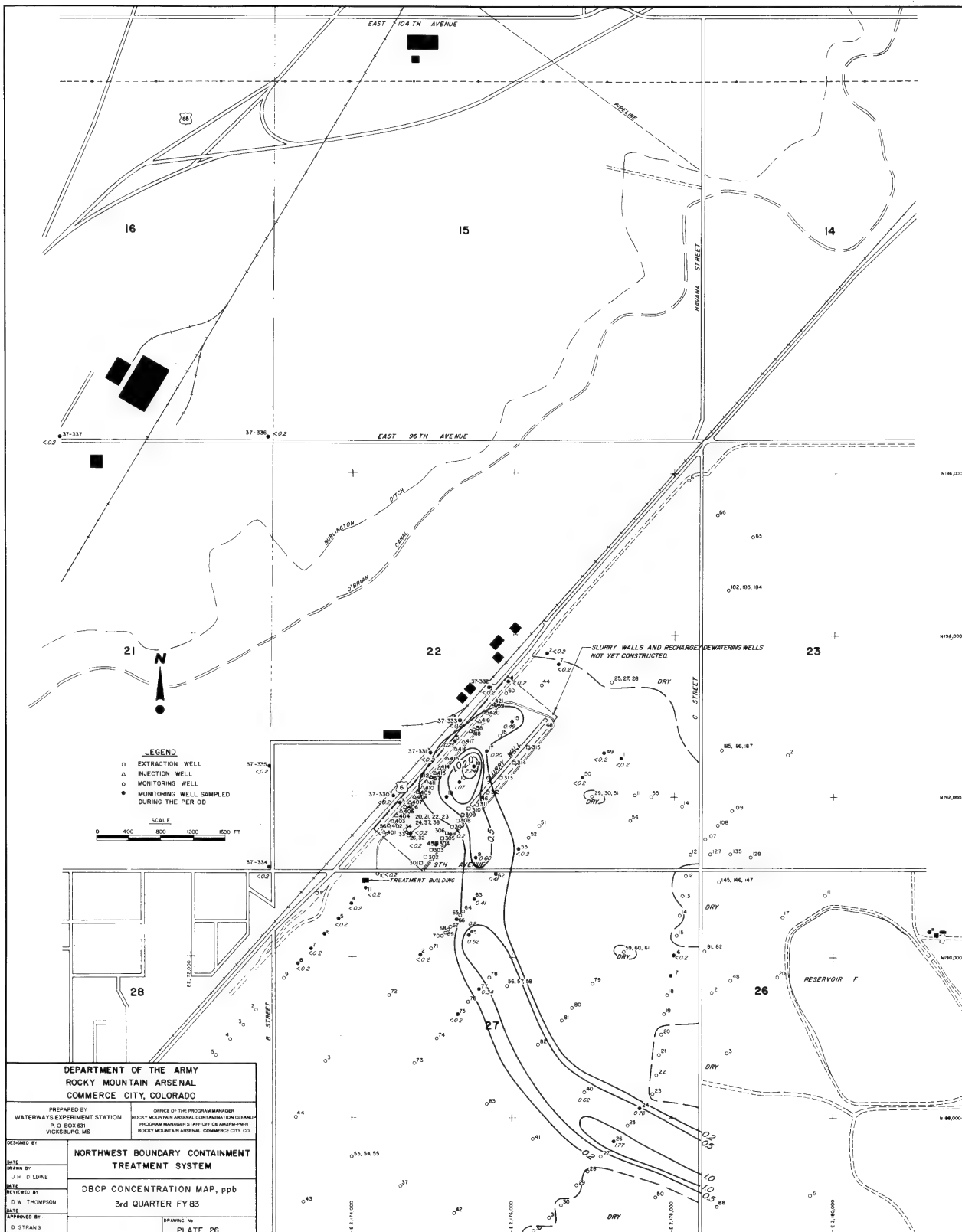


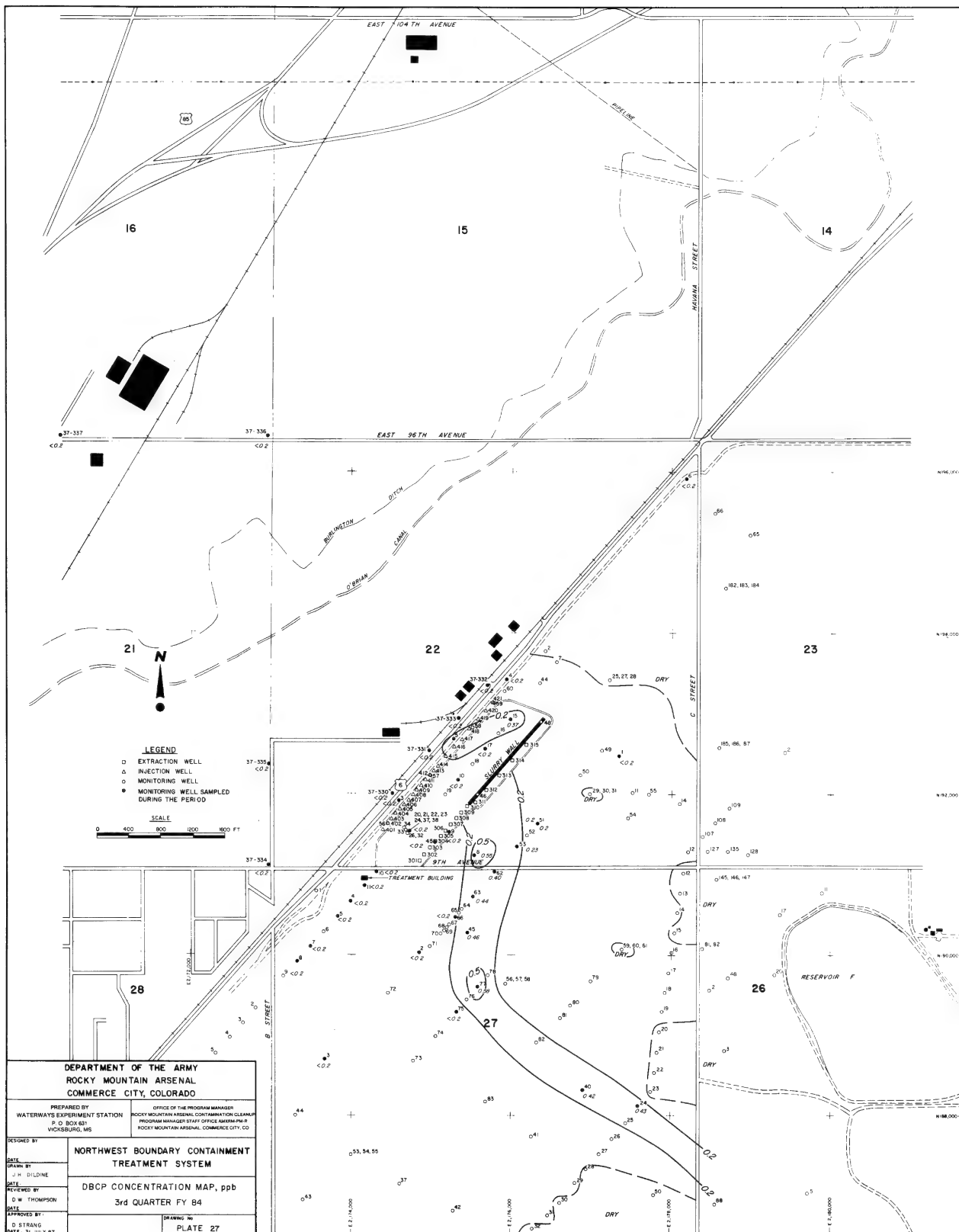


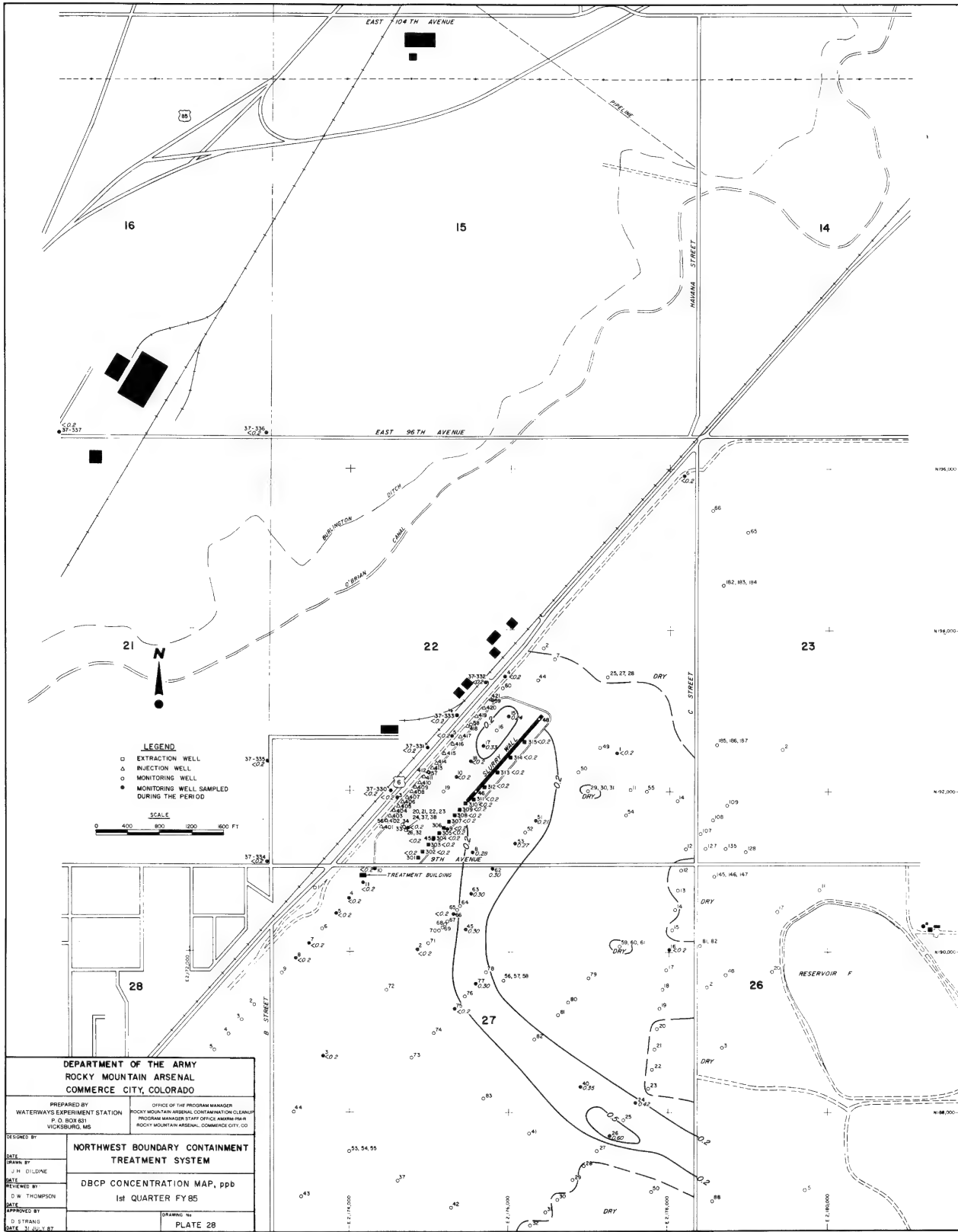
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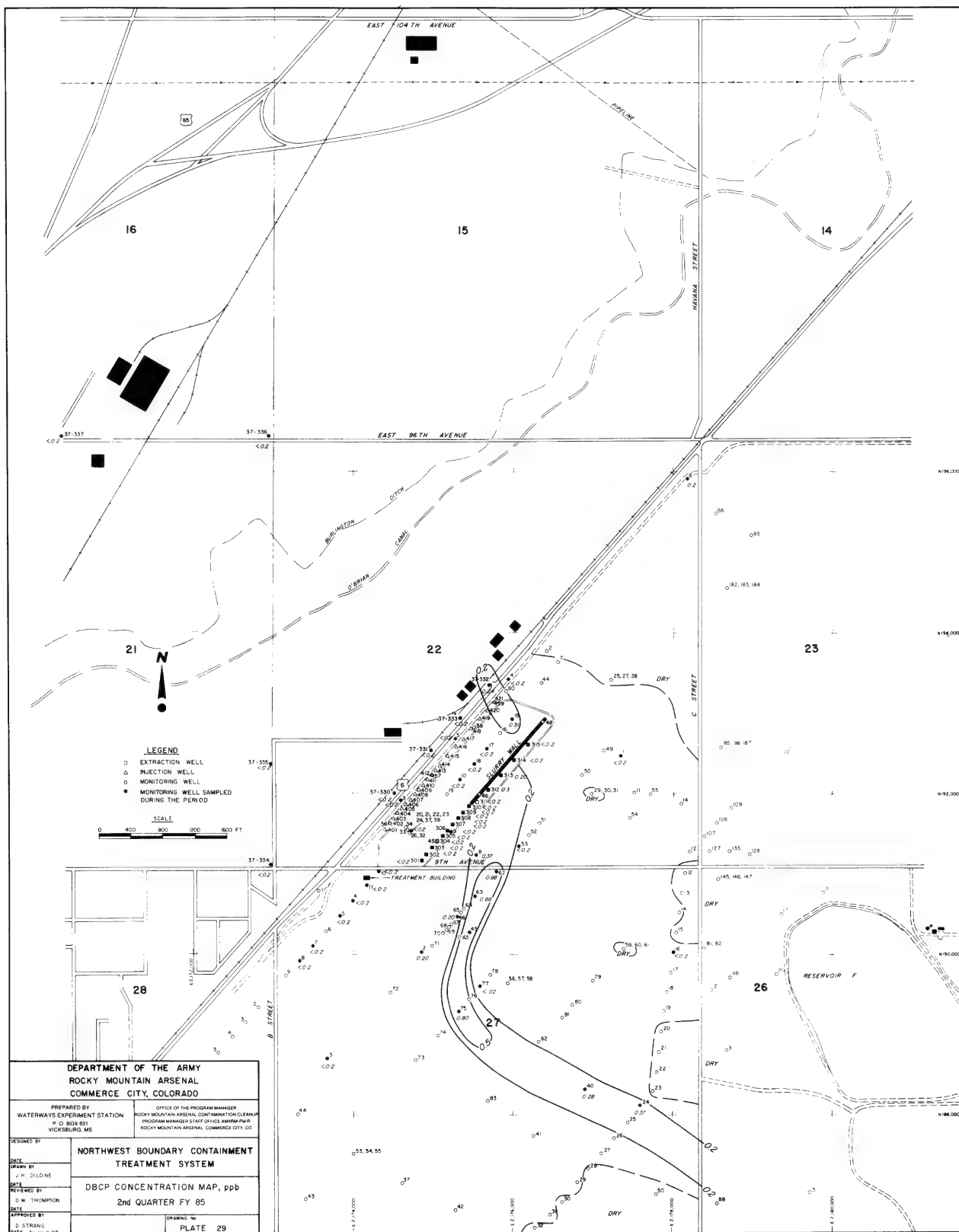
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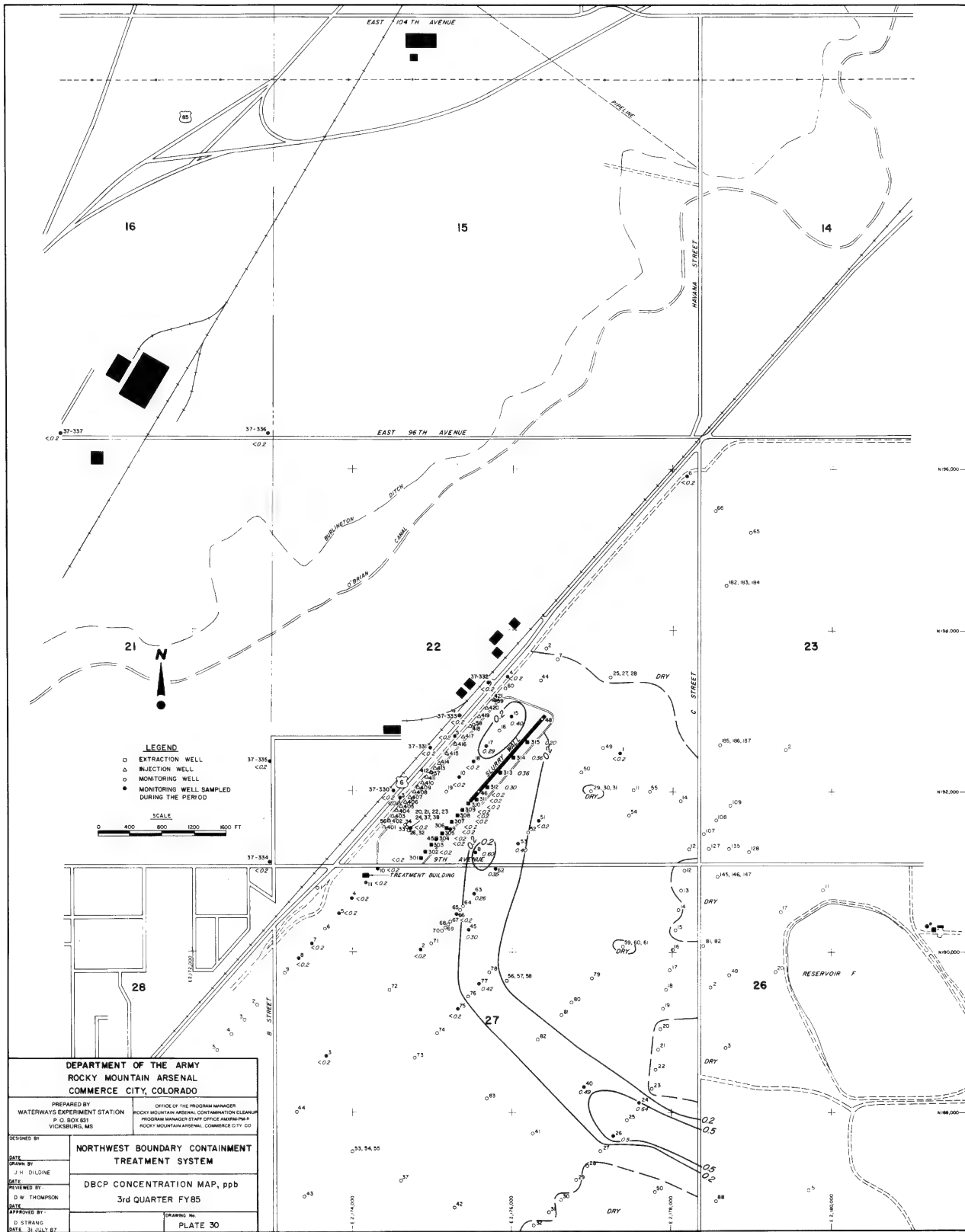












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 ROCKY MOUNTAIN ARSENAL
 COMMERCE CITY, COLORADO

PREPARED BY
 WATERWAYS EXPERIMENT STATION
 P. O. BOX 831
 VICKSBURG, MS

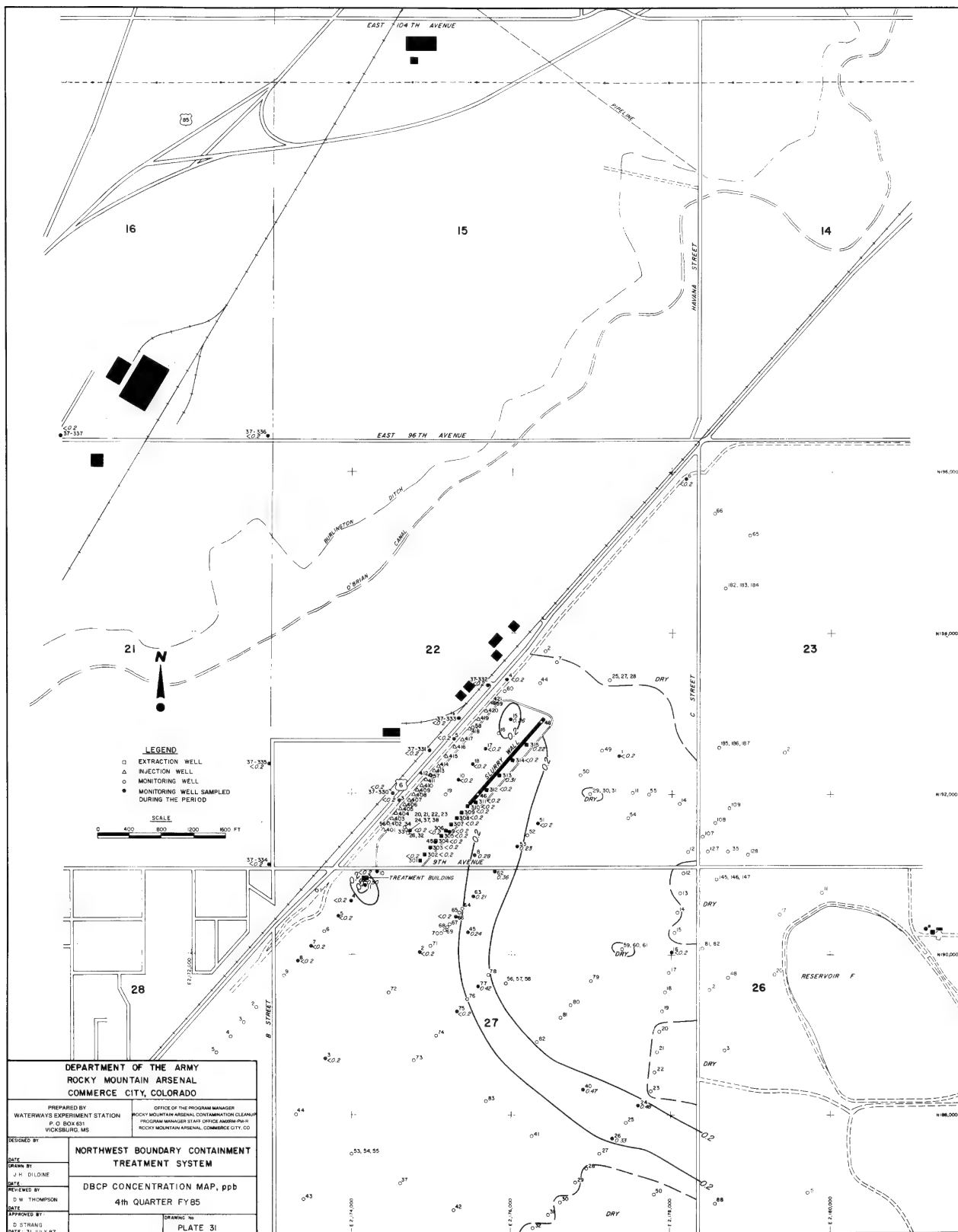
OFFICE OF THE PROGRAM MANAGER
 ROCKY MOUNTAIN ARSENAL, CONTAMINATION CLEANUP
 PROGRAM MANAGER STAFF OFFICE AREA PM-1
 ROCKY MOUNTAIN ARSENAL, COMMERCE CITY CO

DESIGNED BY
 DATE
 DRAWN BY
 J. H. DILLONE
 DATE
 REVIEWED BY
 D. W. THOMPSON
 DATE
 APPROVED BY
 S. STRANG
 DATE 31 JUL 87

NORTHWEST BOUNDARY CONTAINMENT
 TREATMENT SYSTEM

DBCP CONCENTRATION MAP, ppb
 3rd QUARTER FY85

DRAWING NO.
 PLATE 30



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COMMERCE CITY, COLORADO

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ROCKY MOUNTAIN ARSENAL, COMMERCE CITY, CO

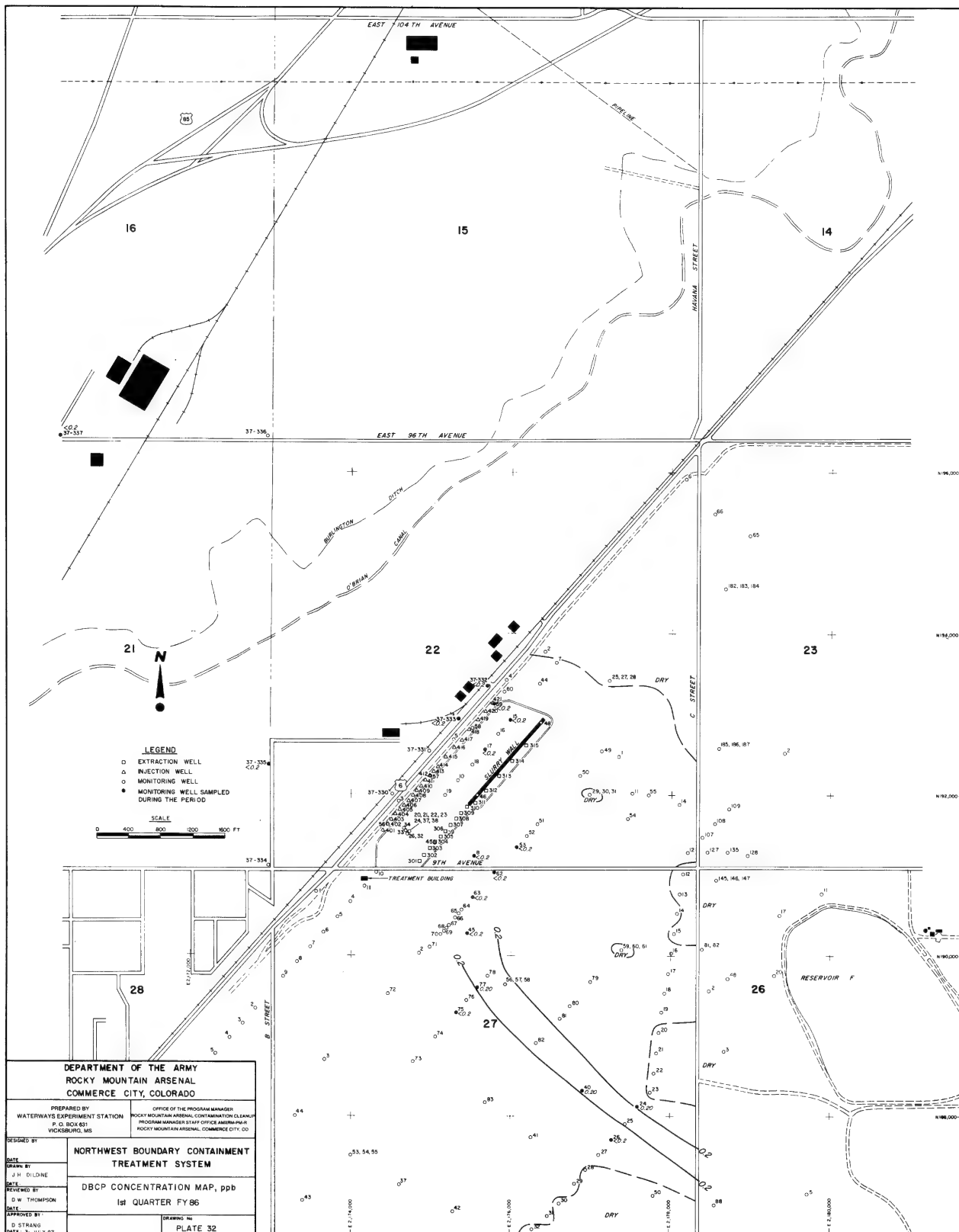
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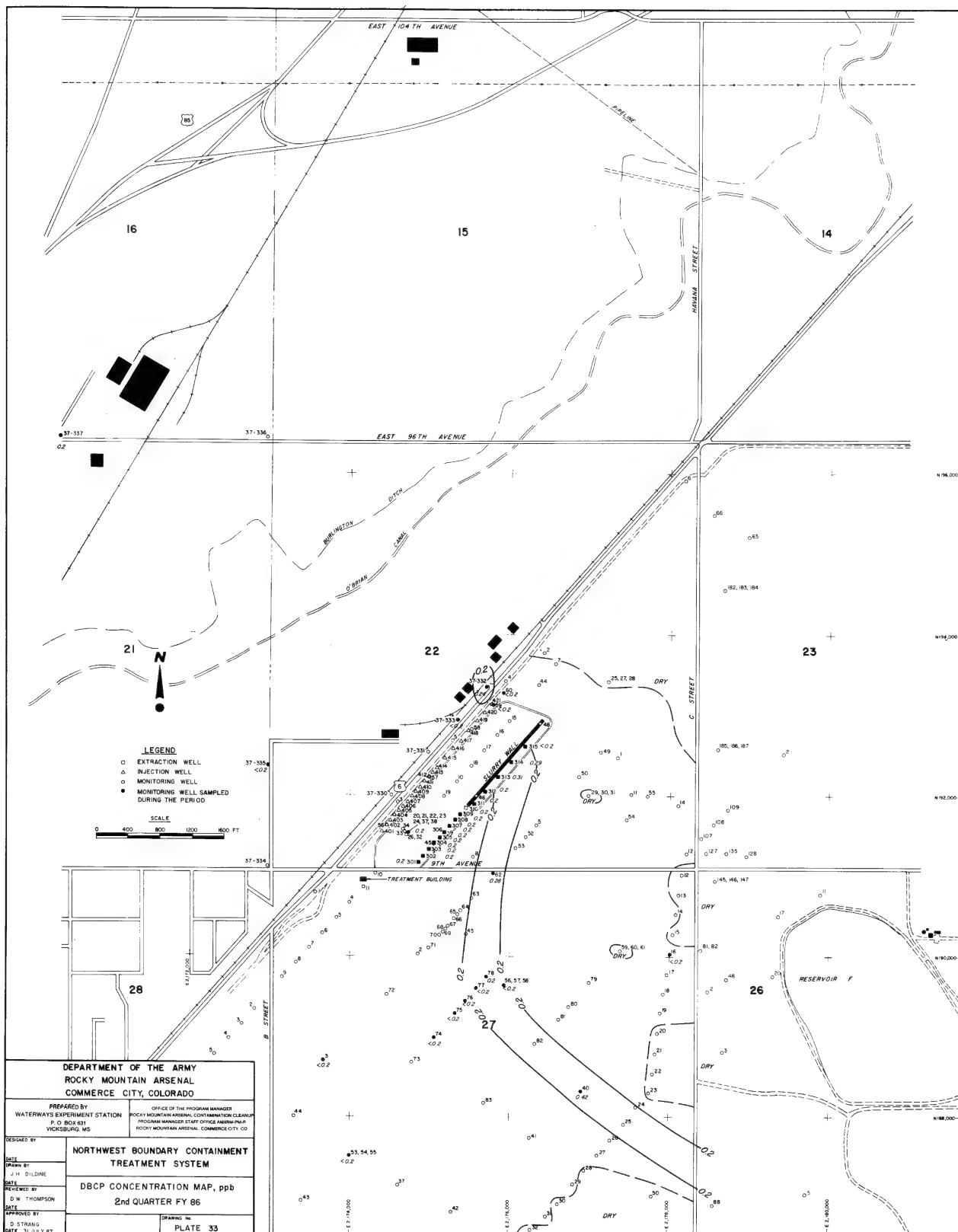
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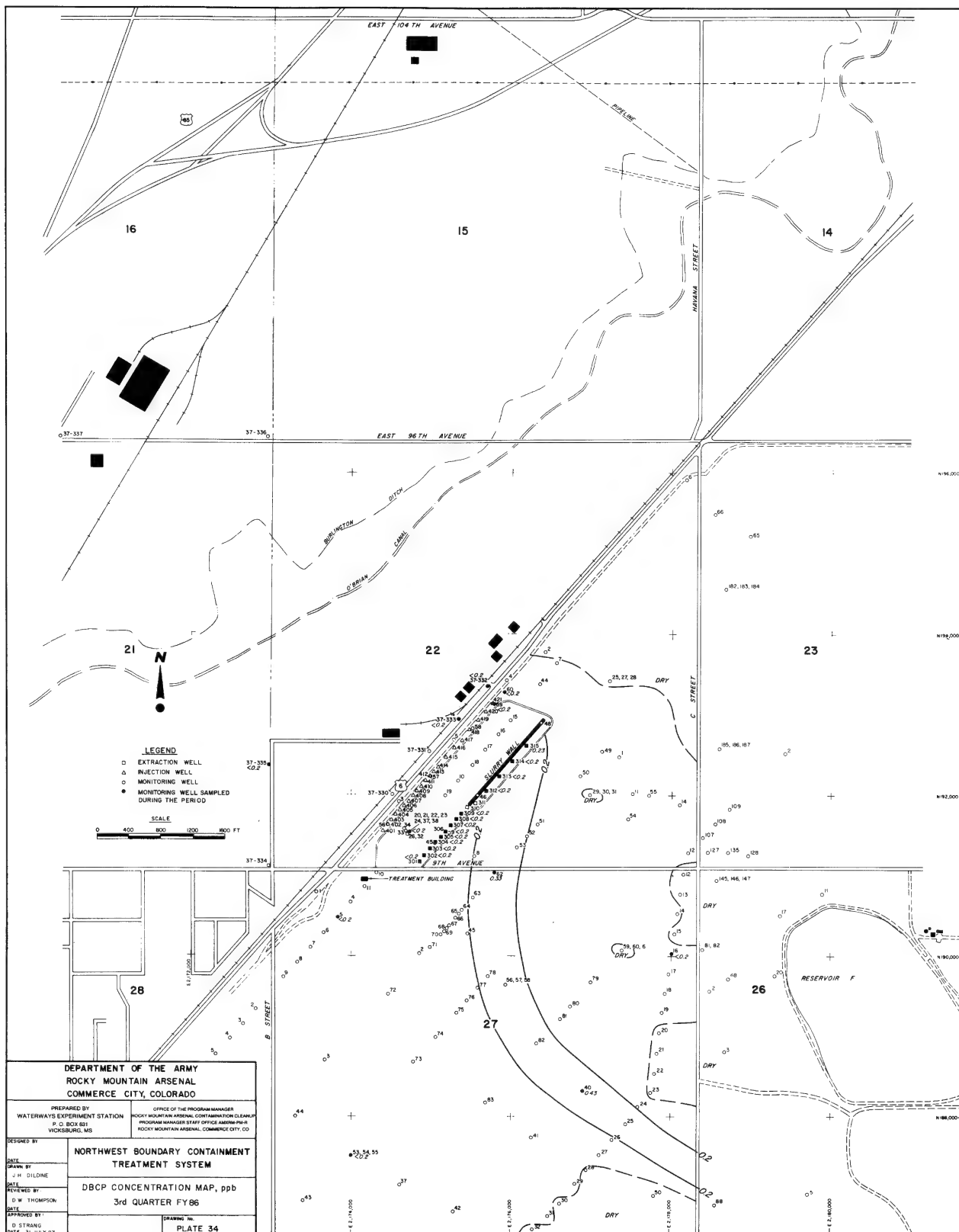
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4th QUARTER FY85

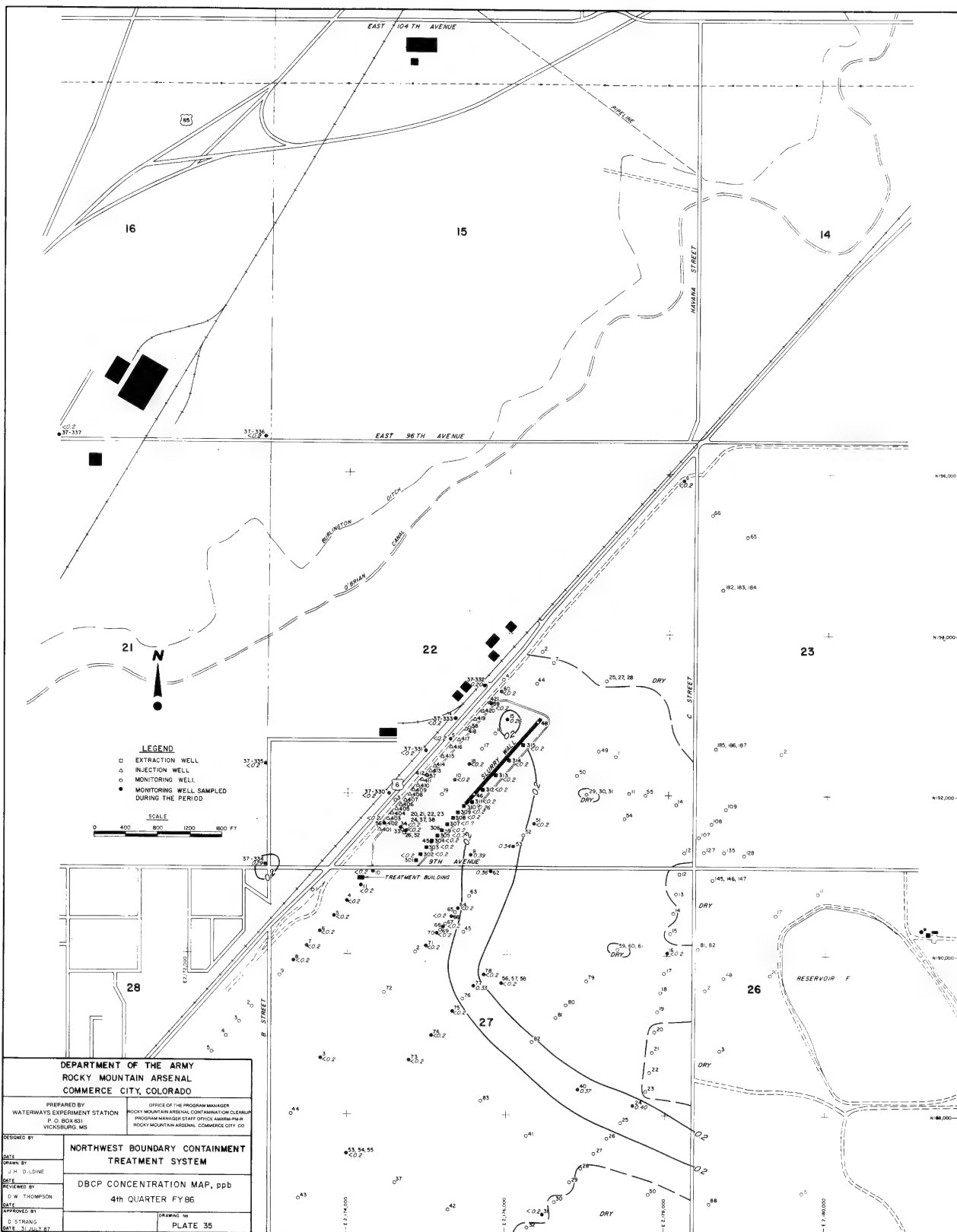
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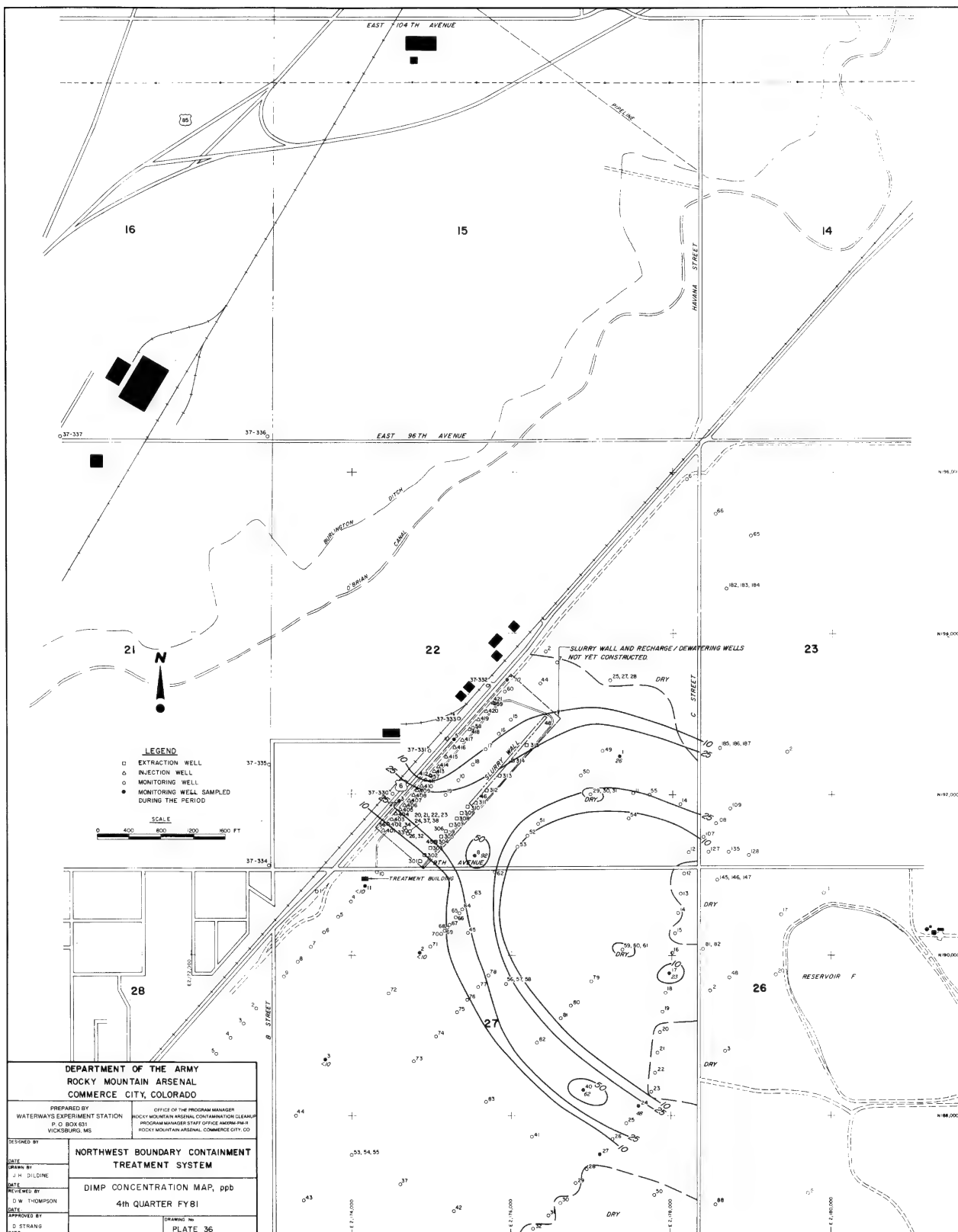
PLATE 31

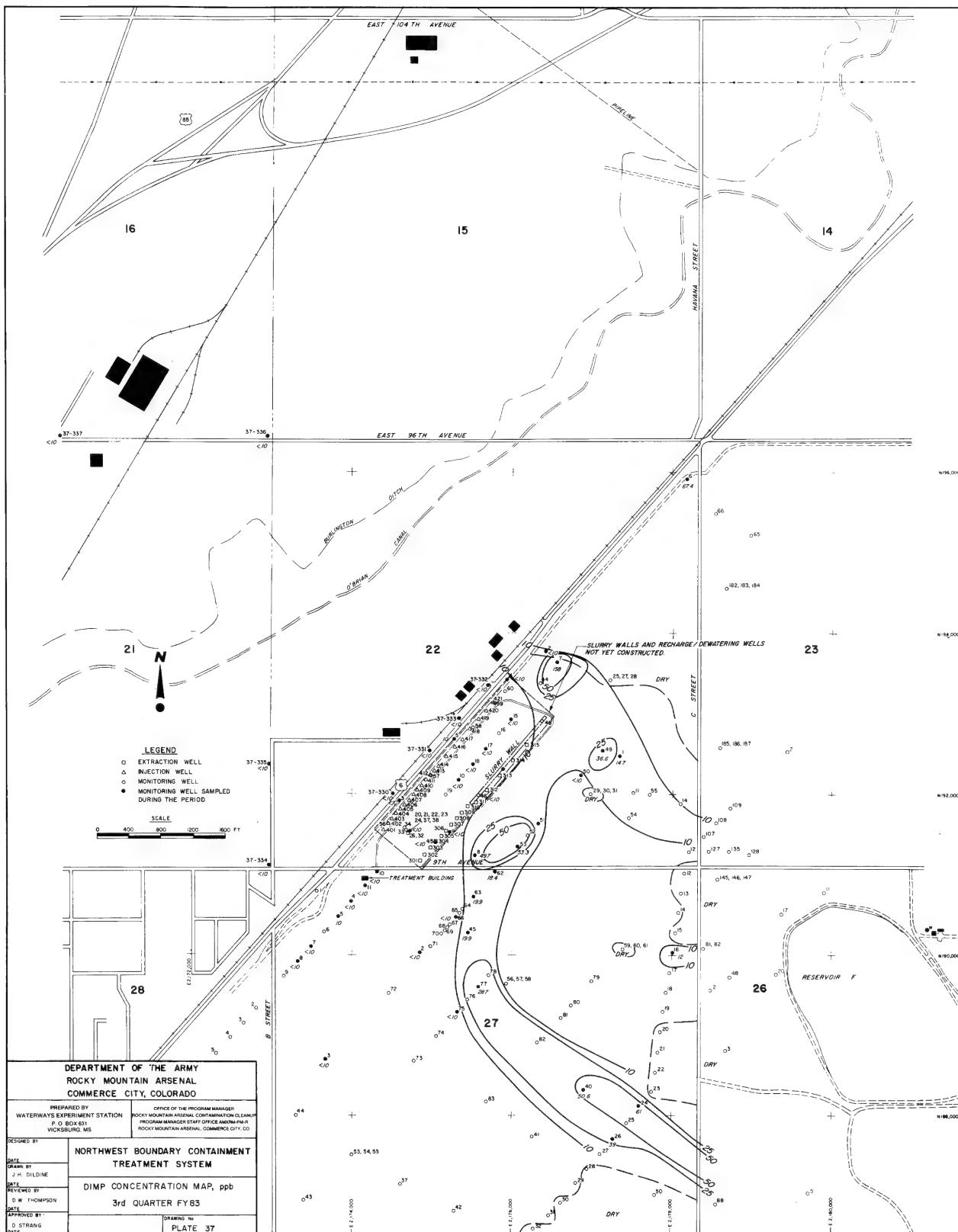


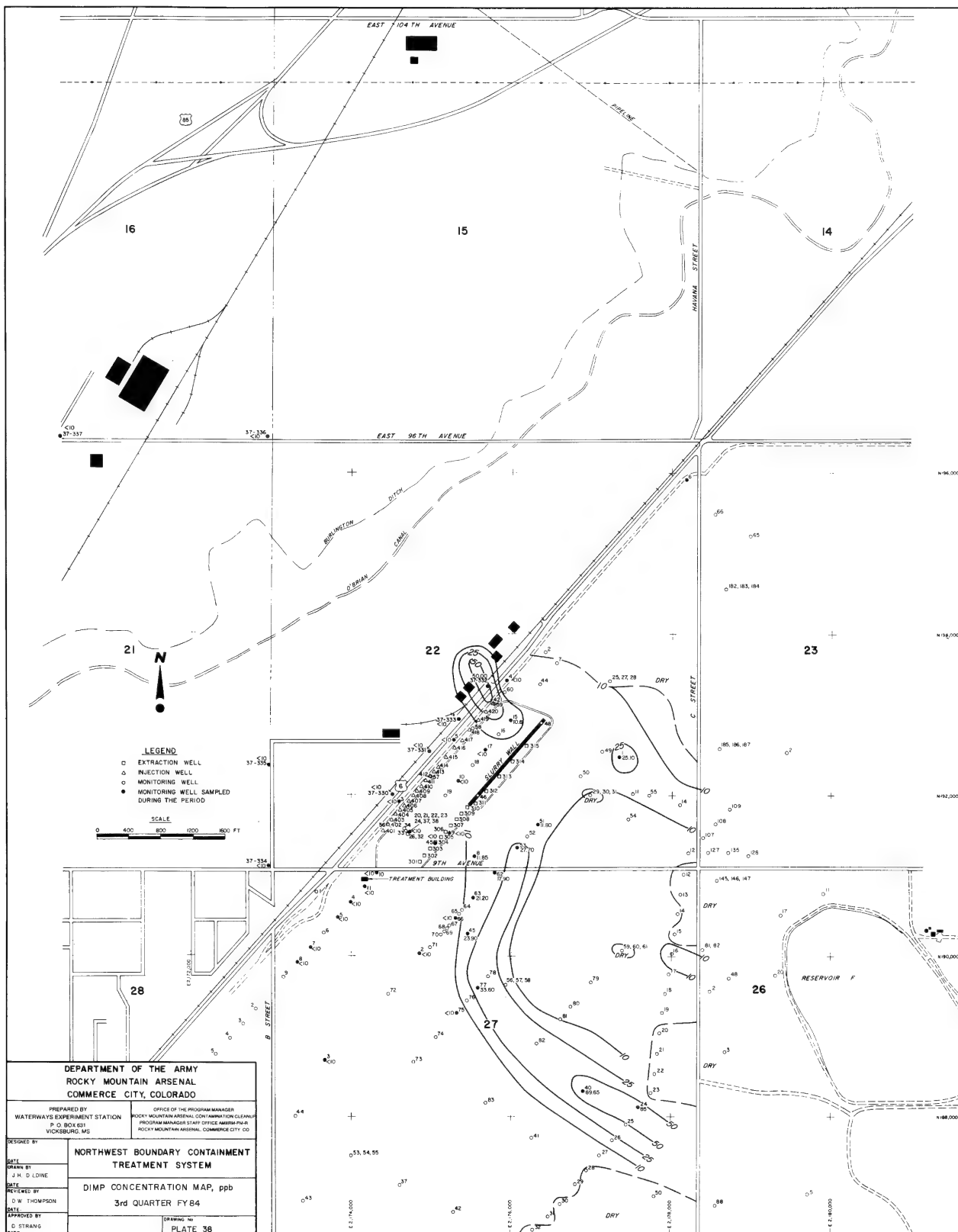


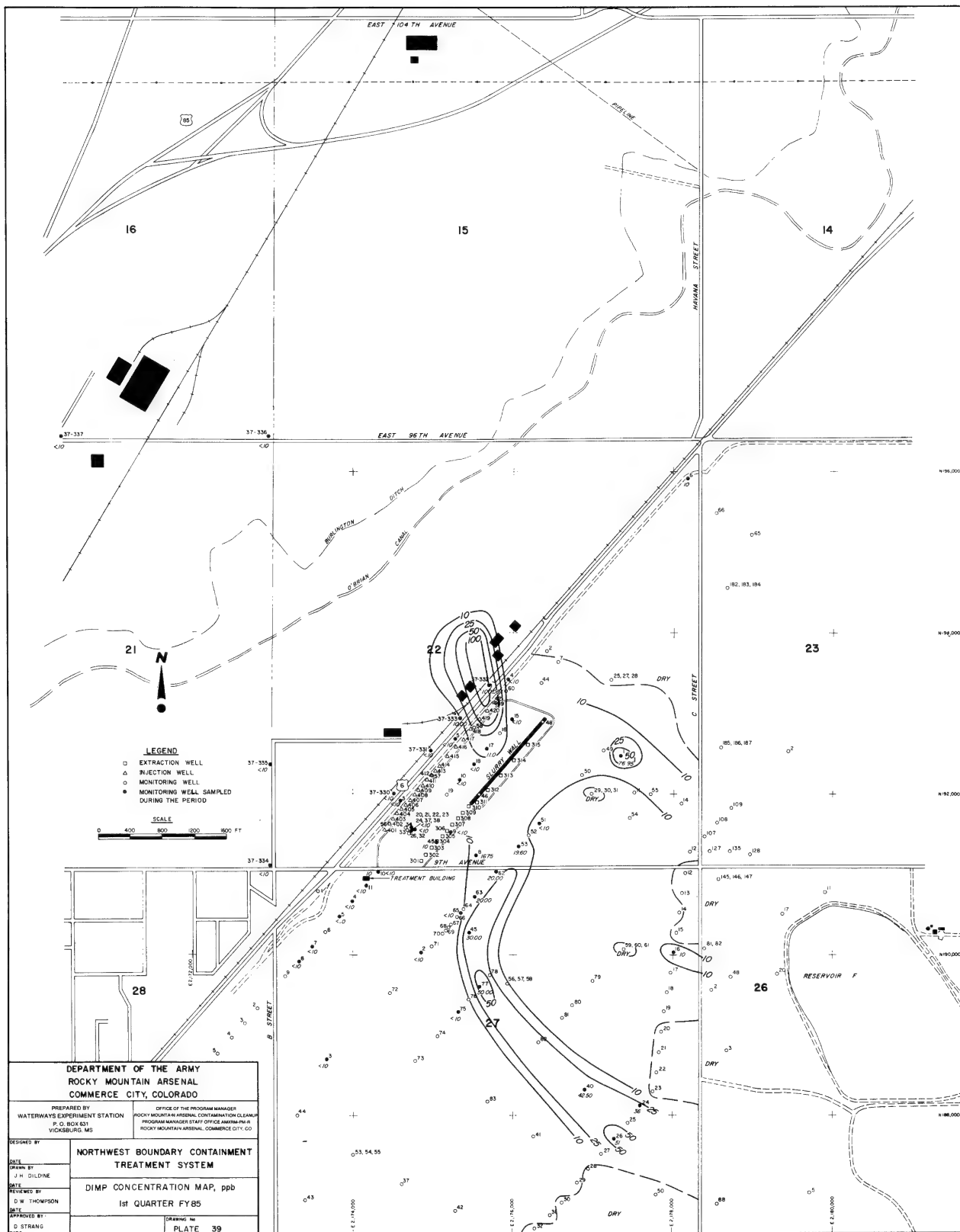


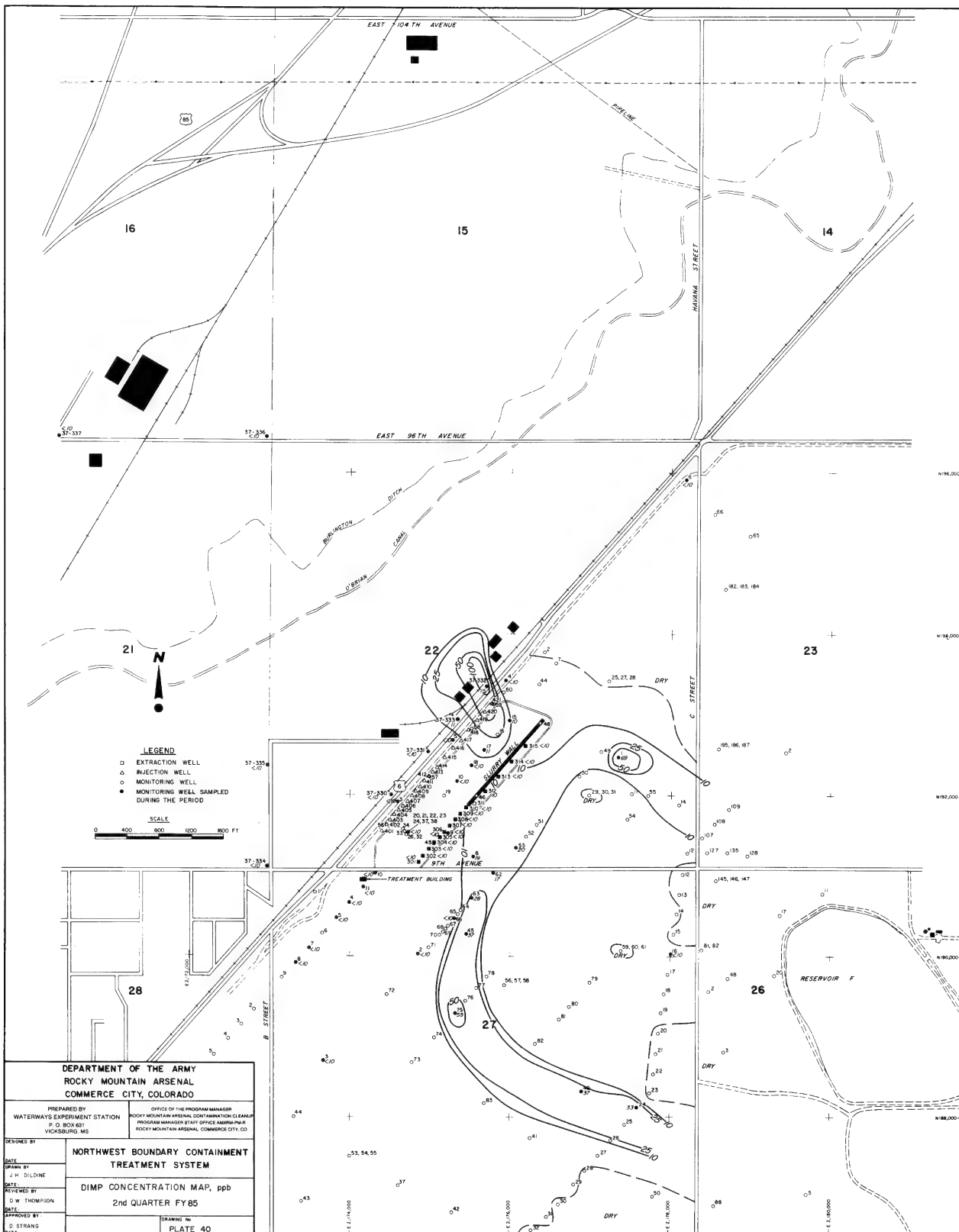


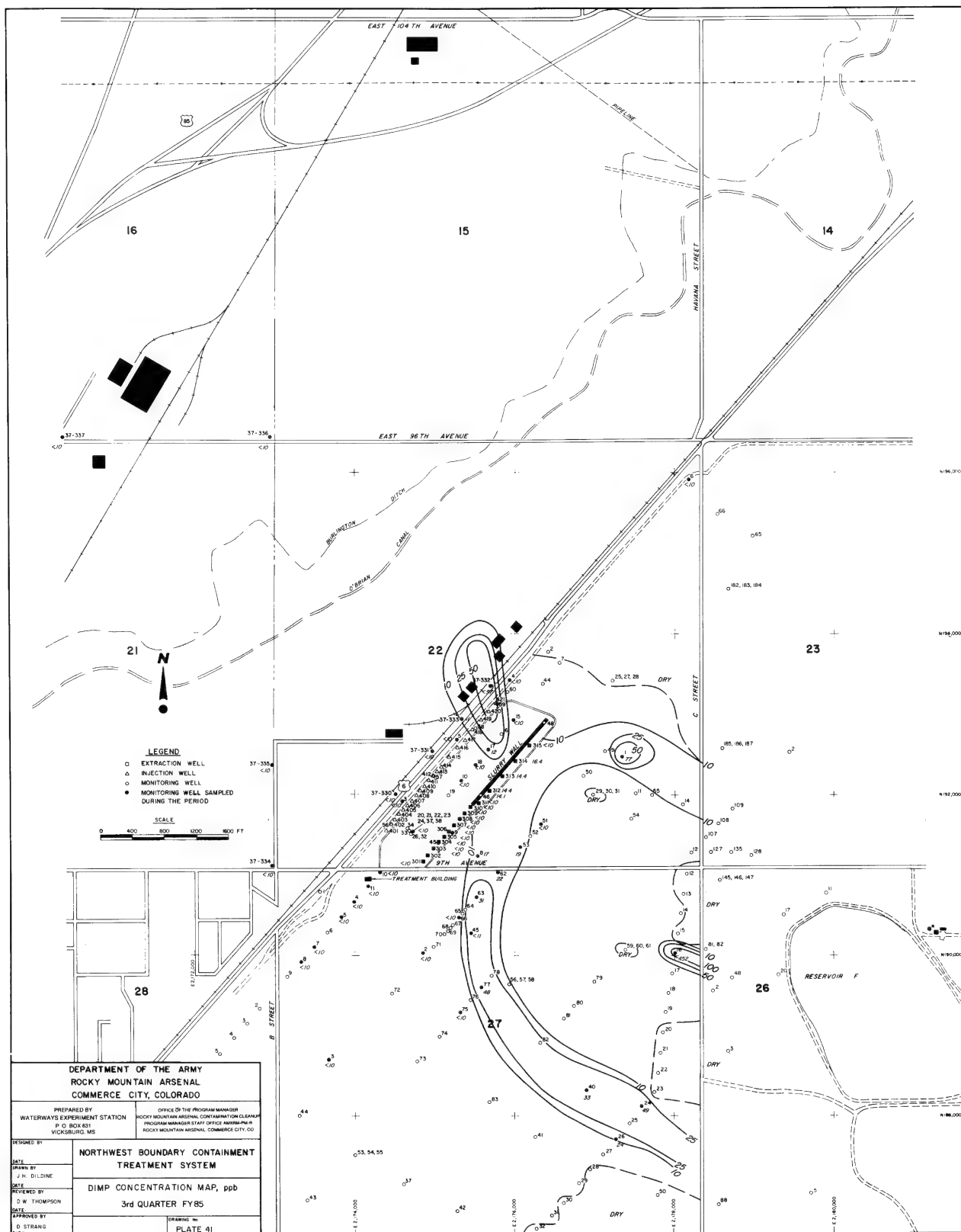


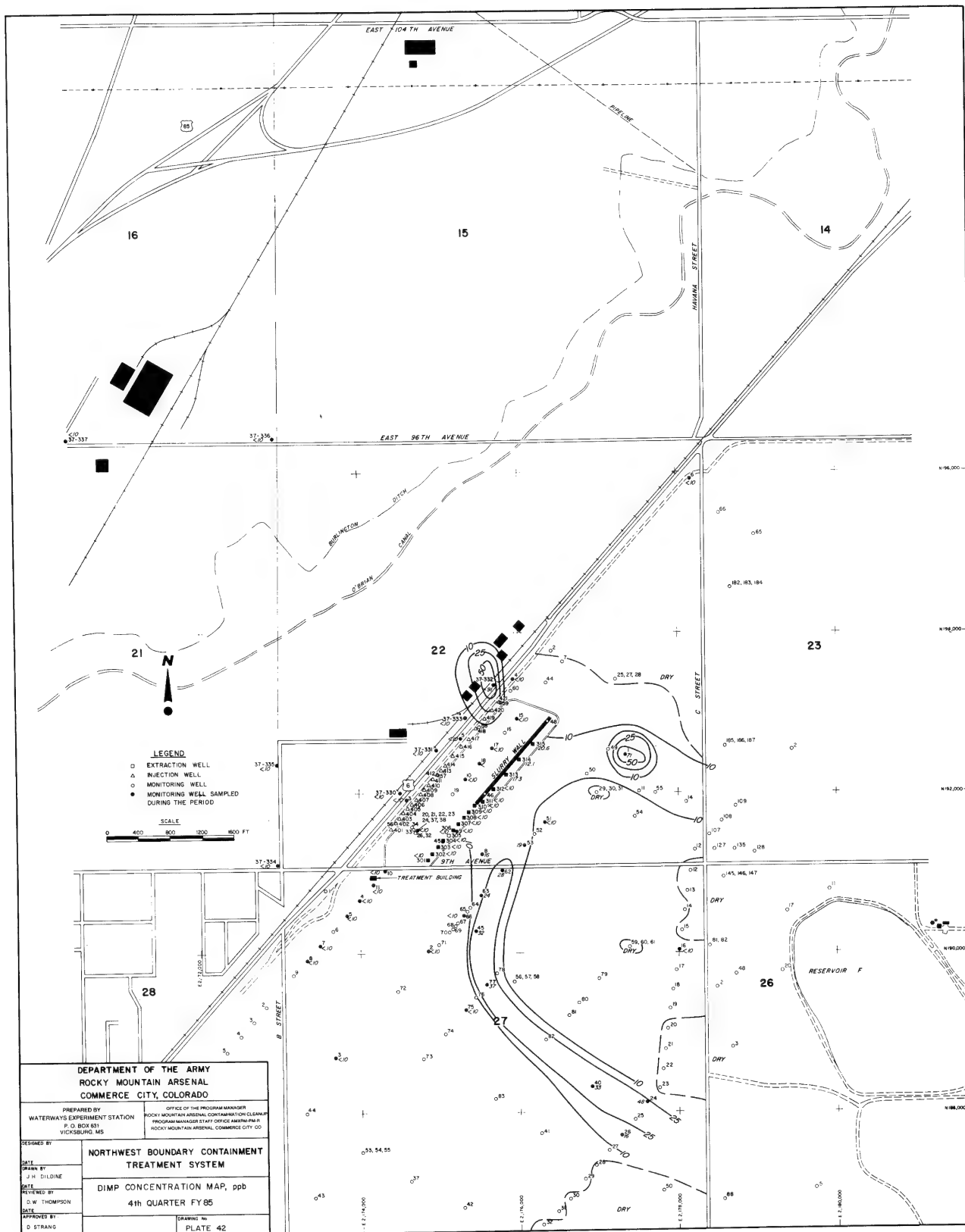


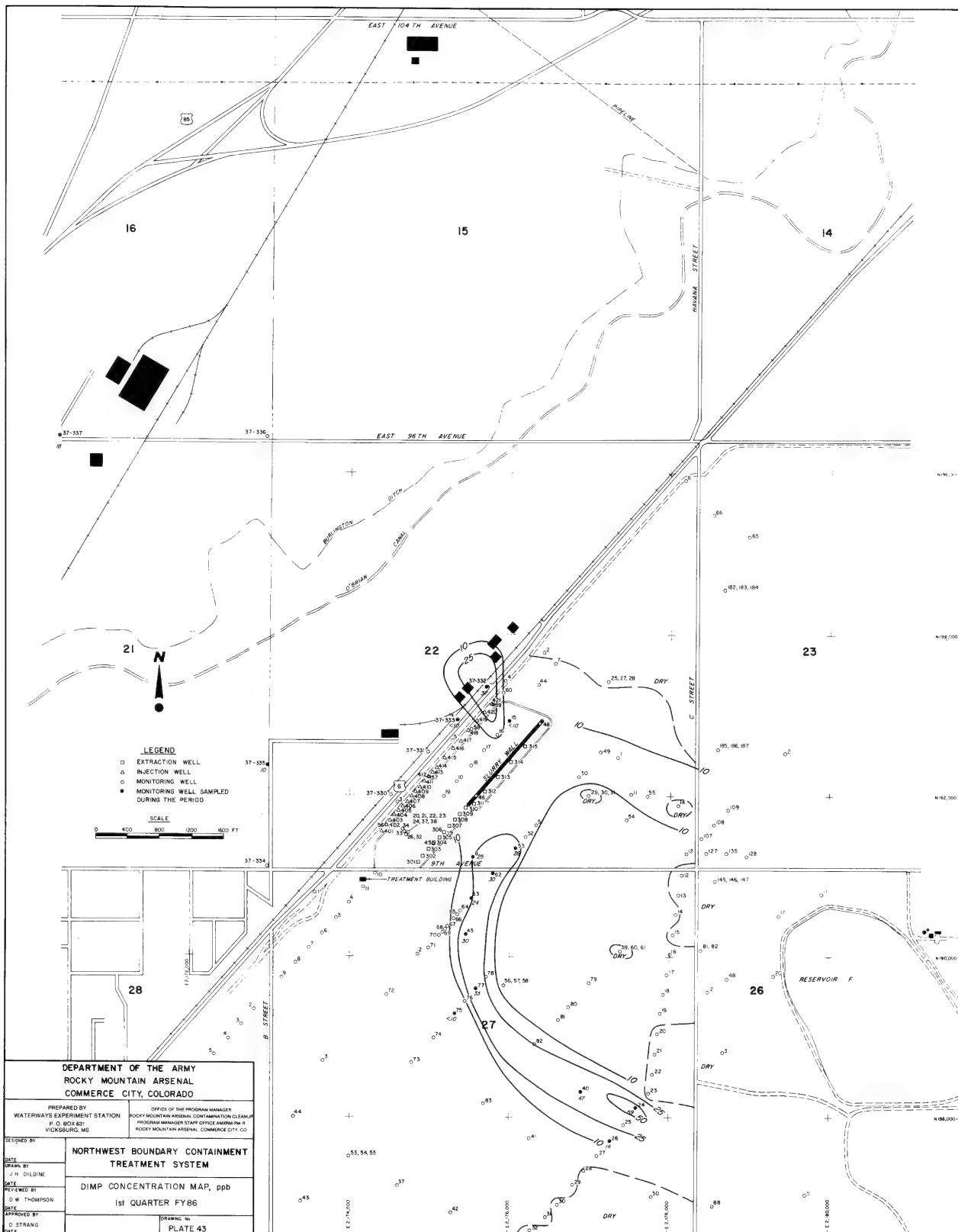


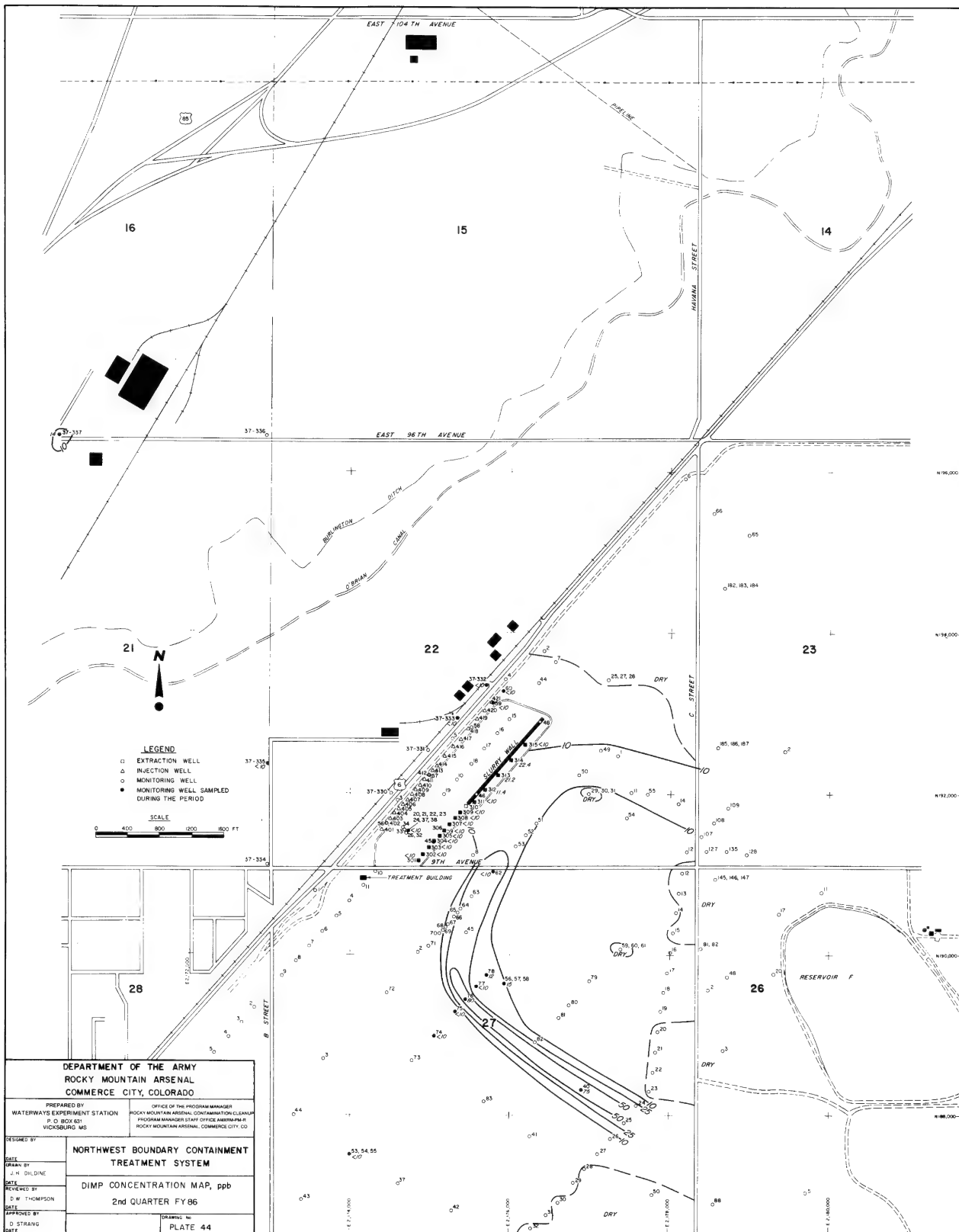


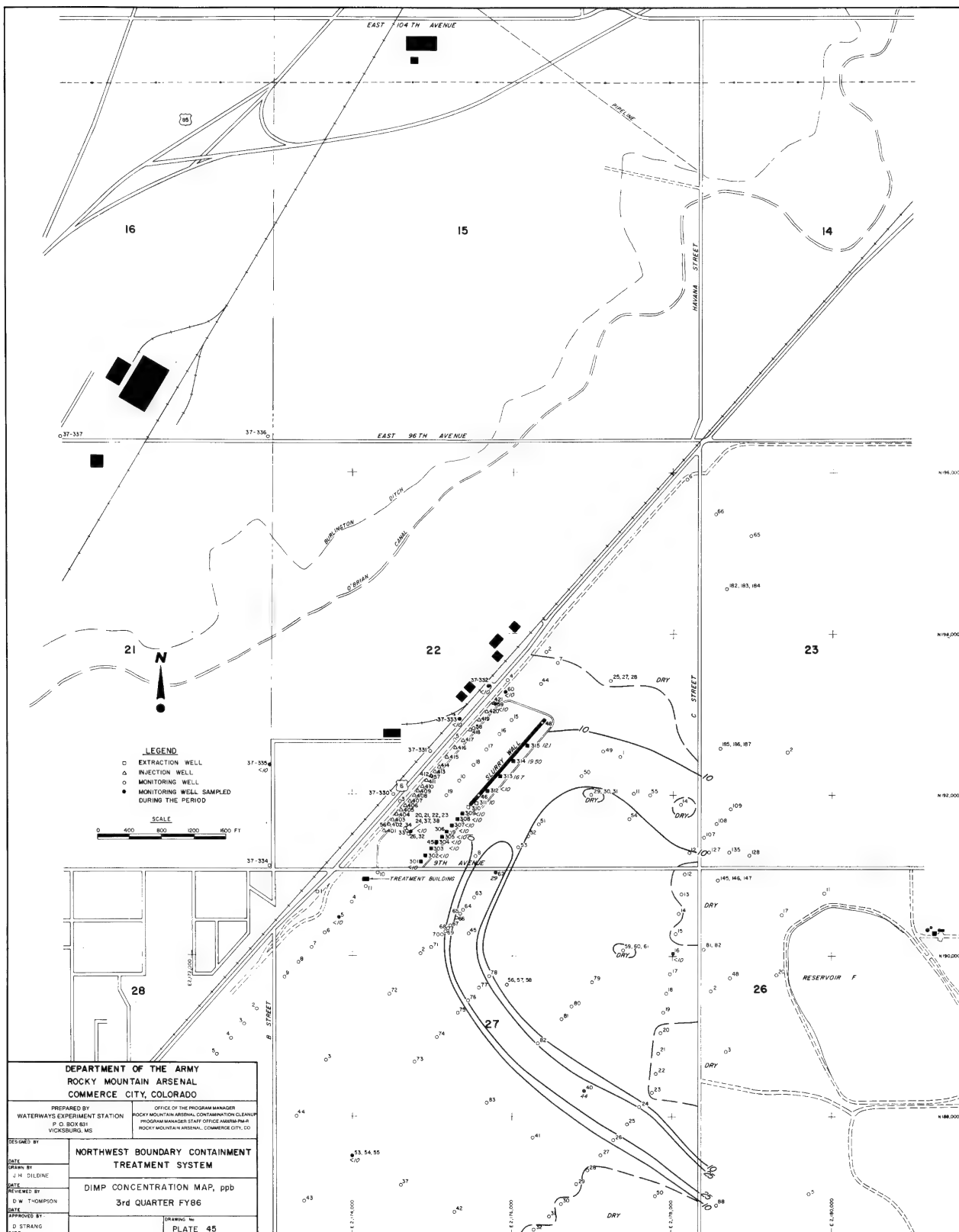


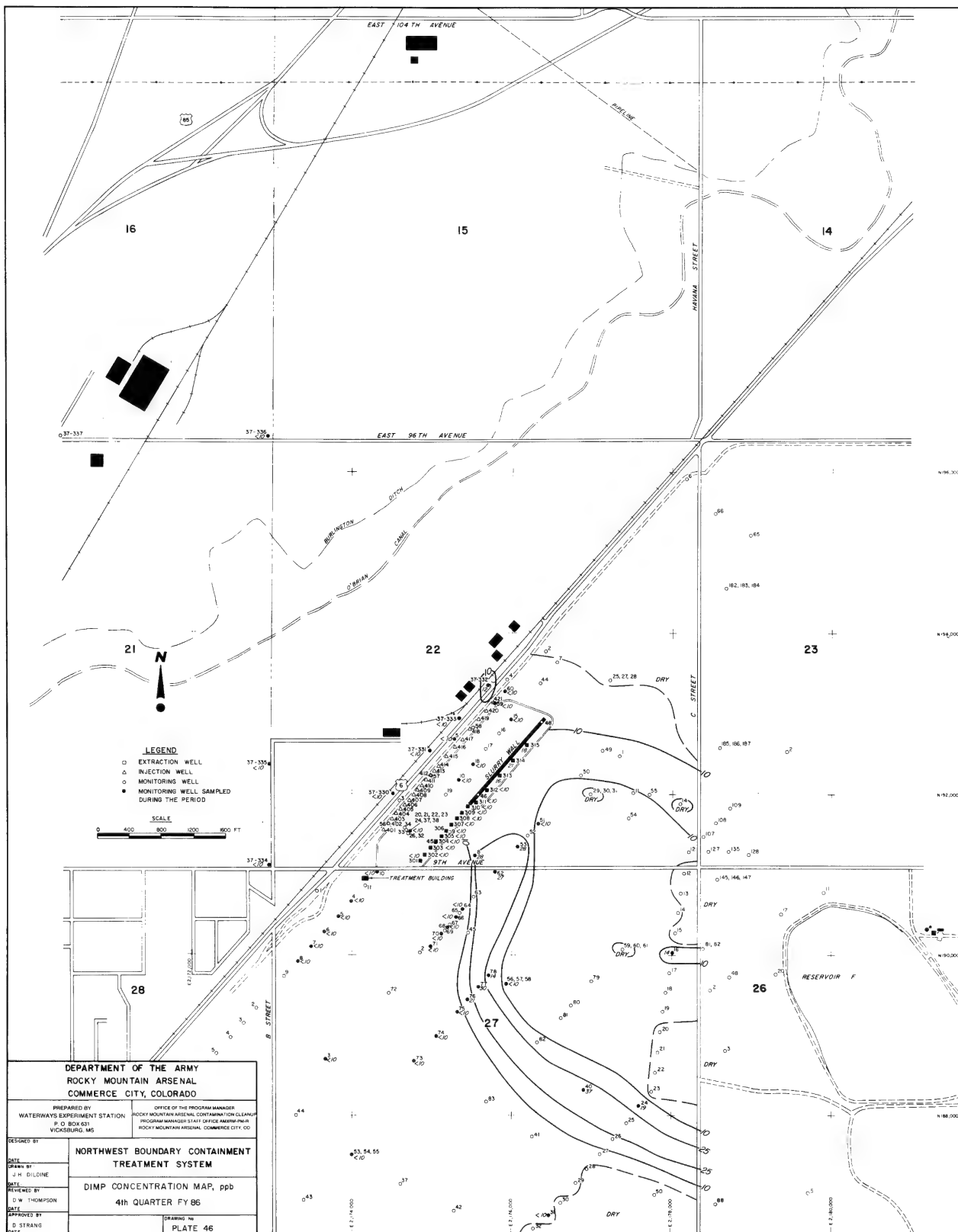


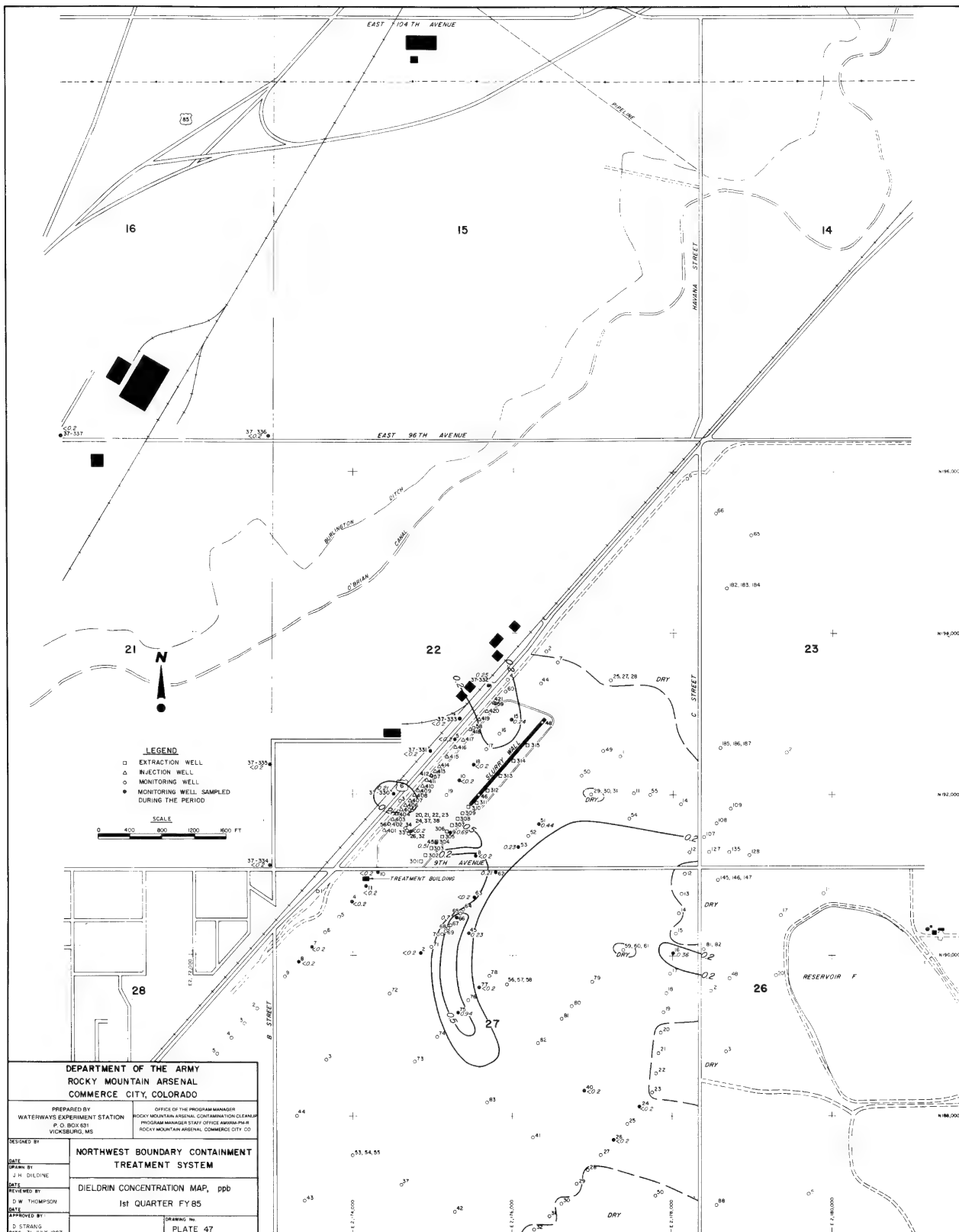


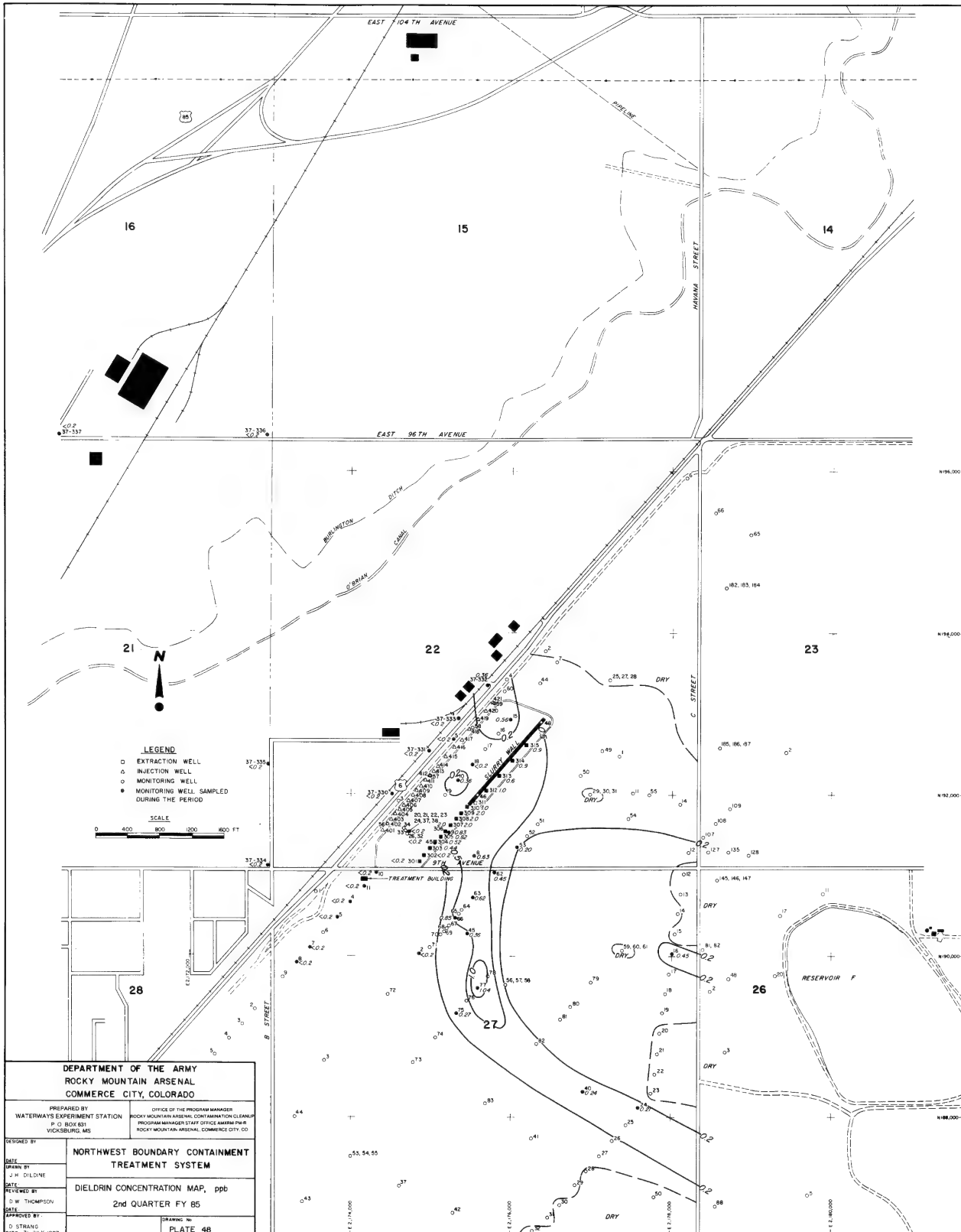


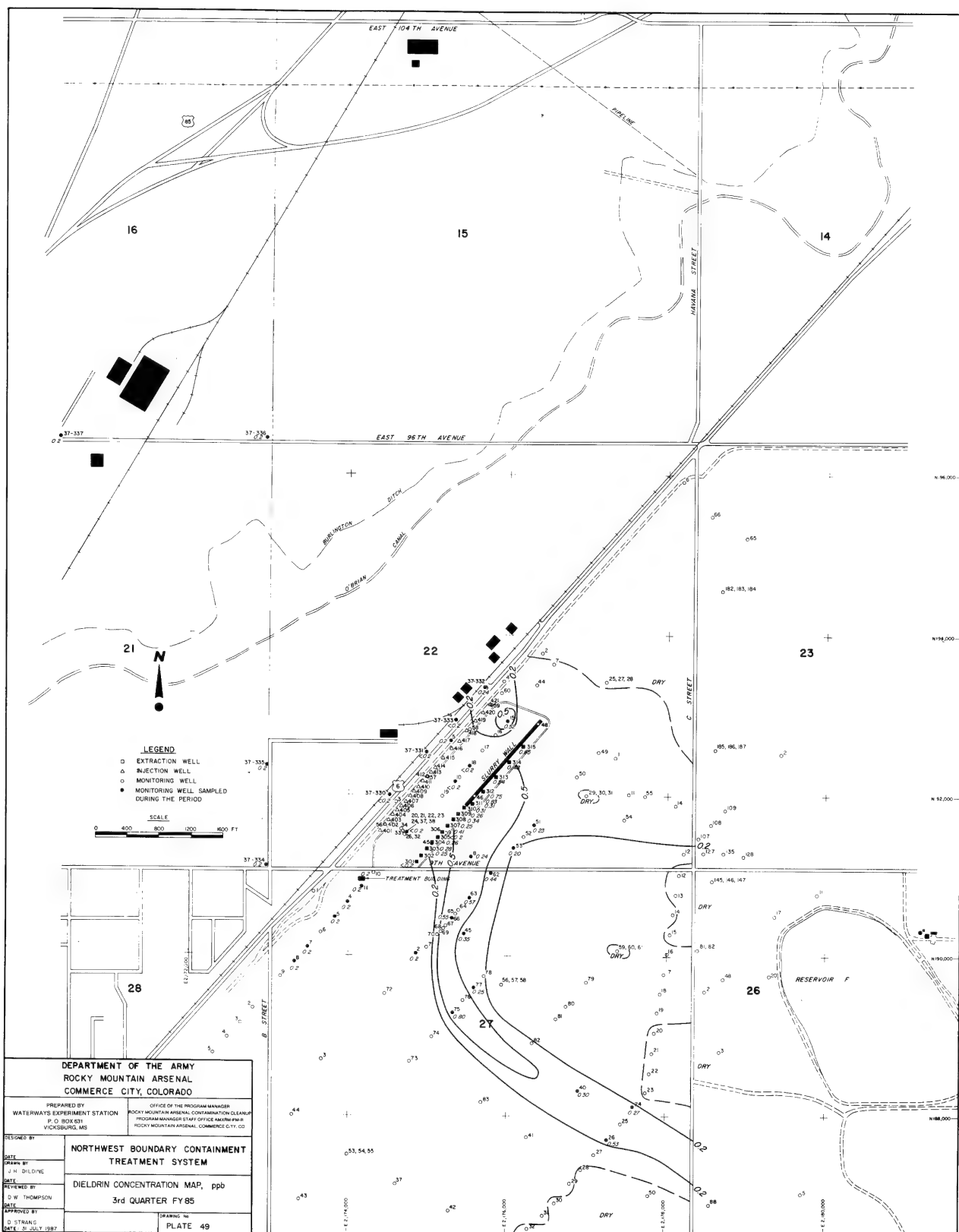


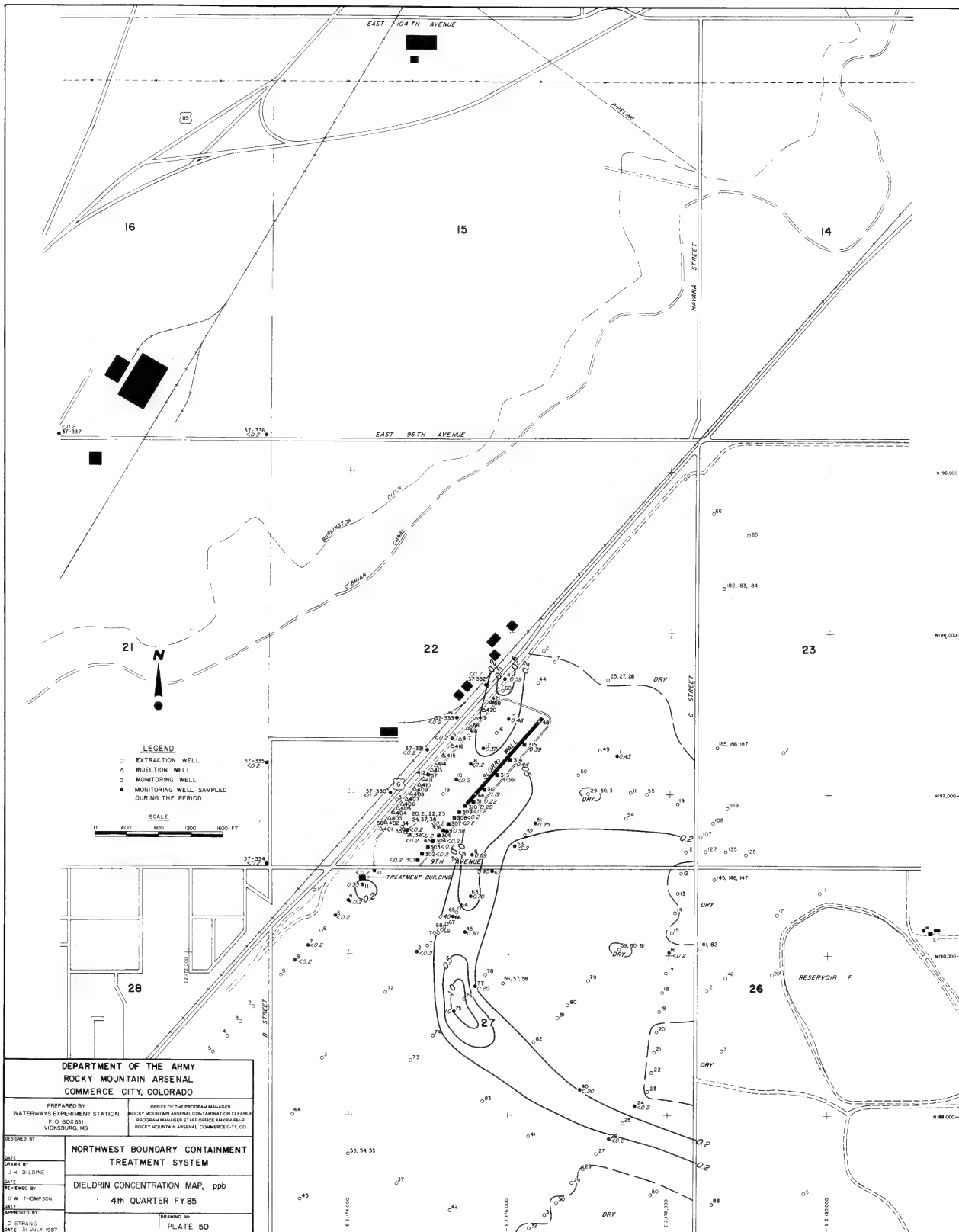


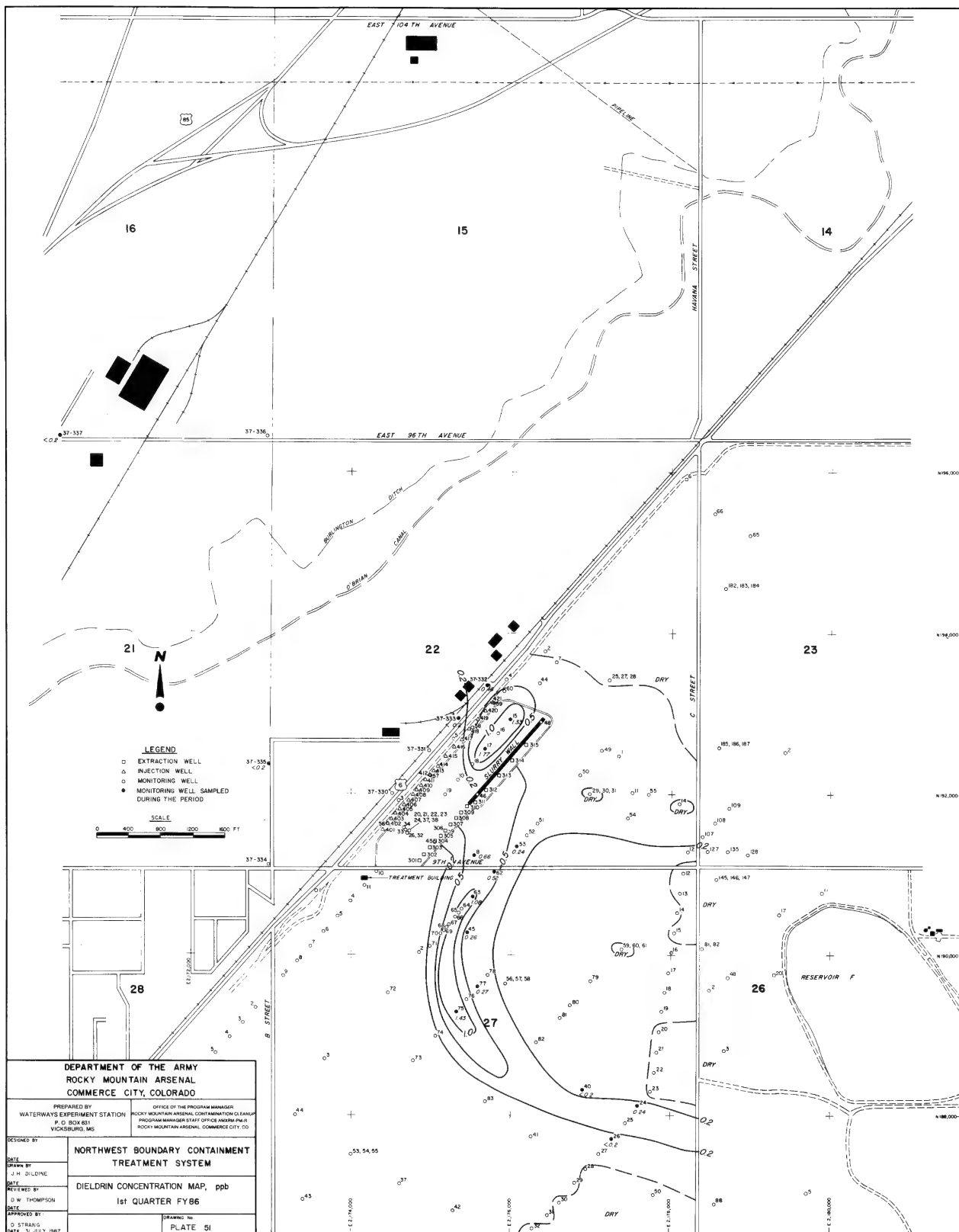


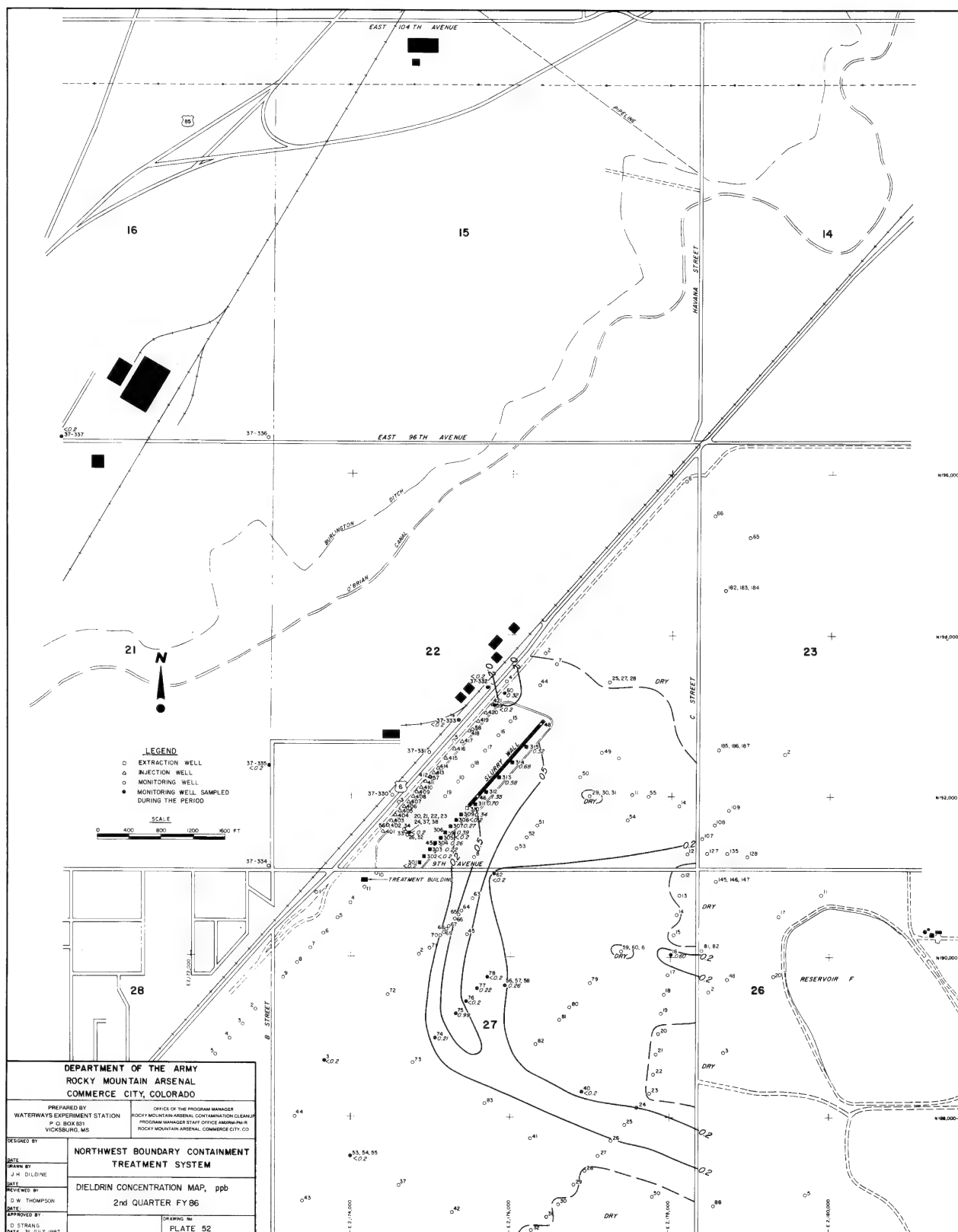


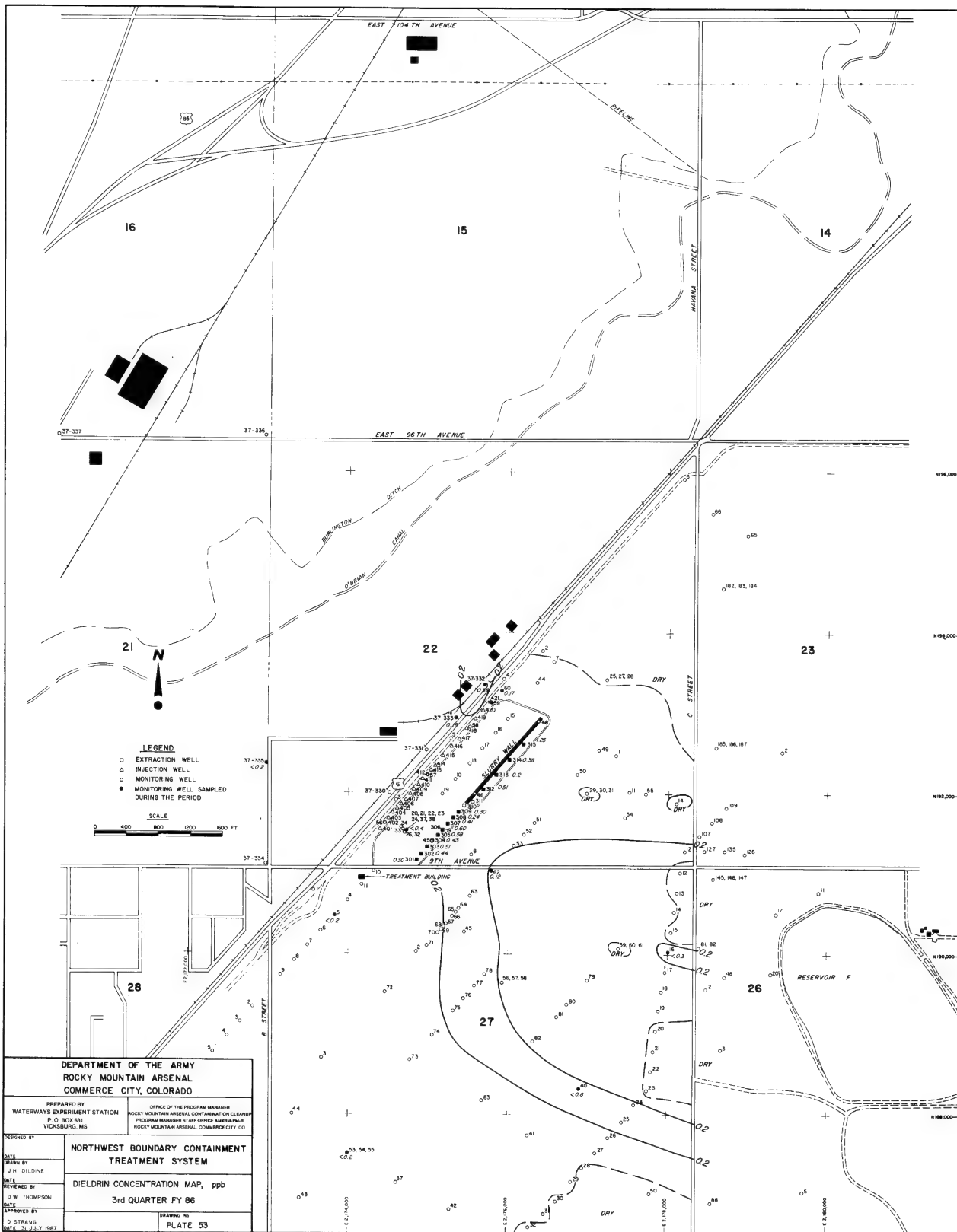


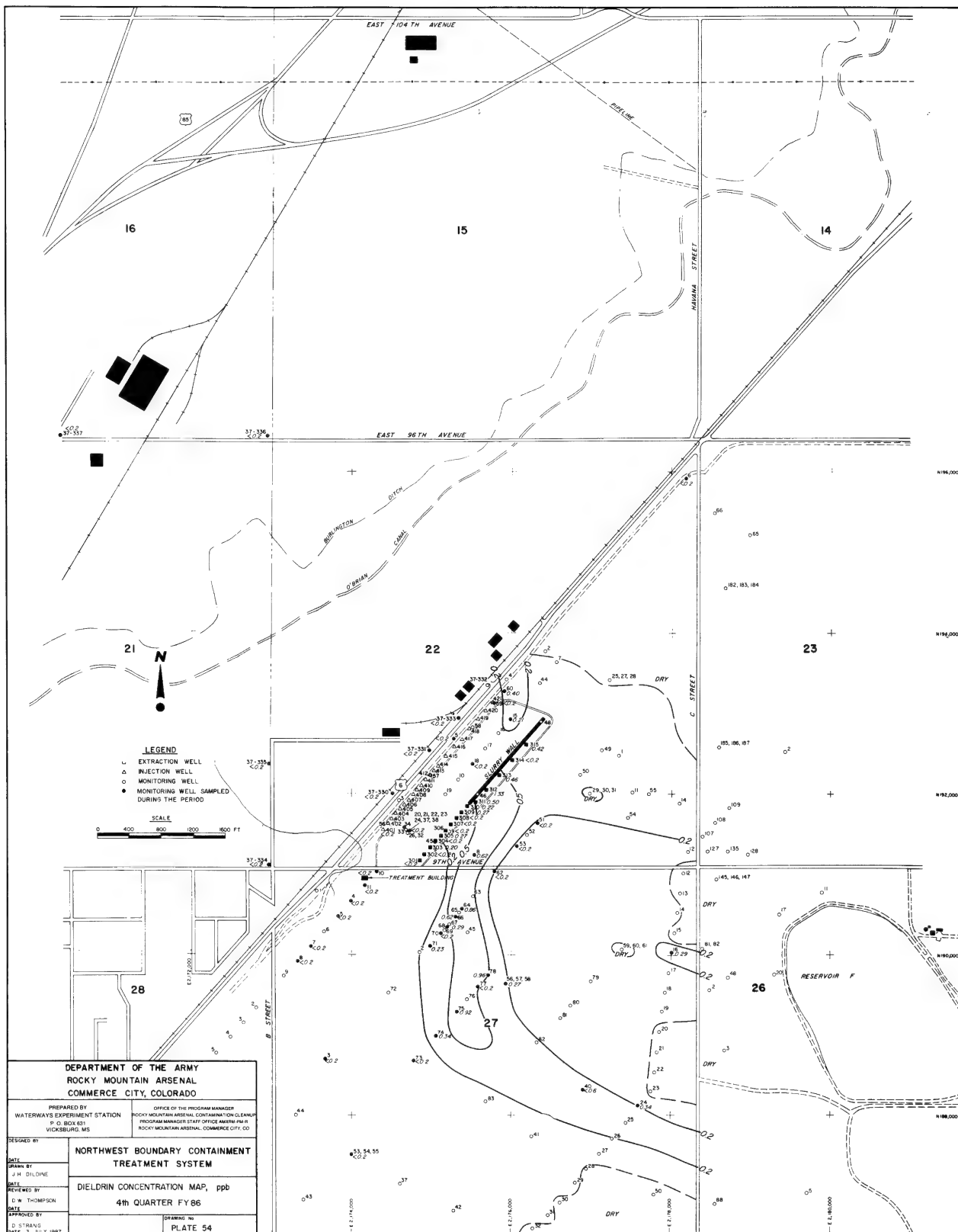


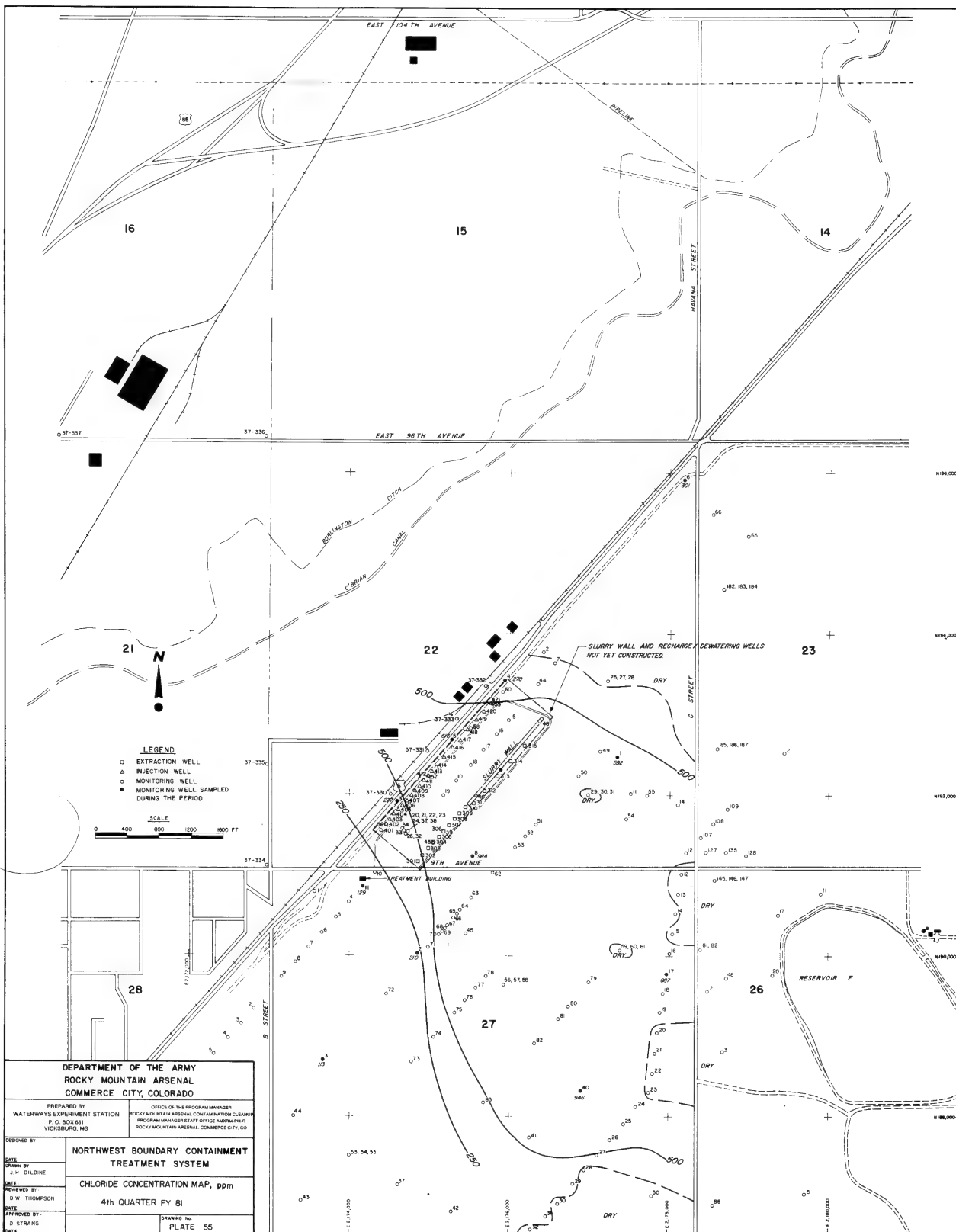


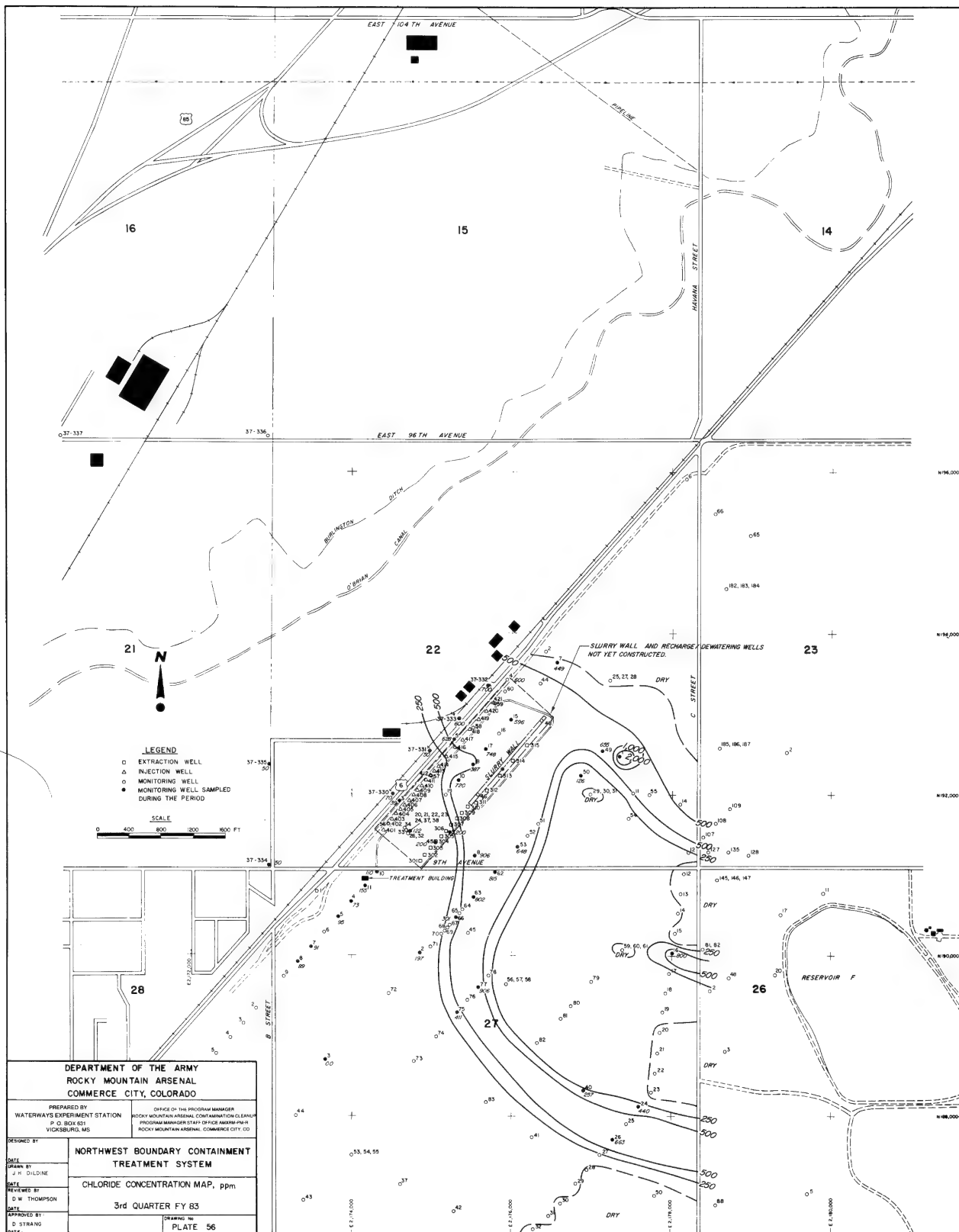


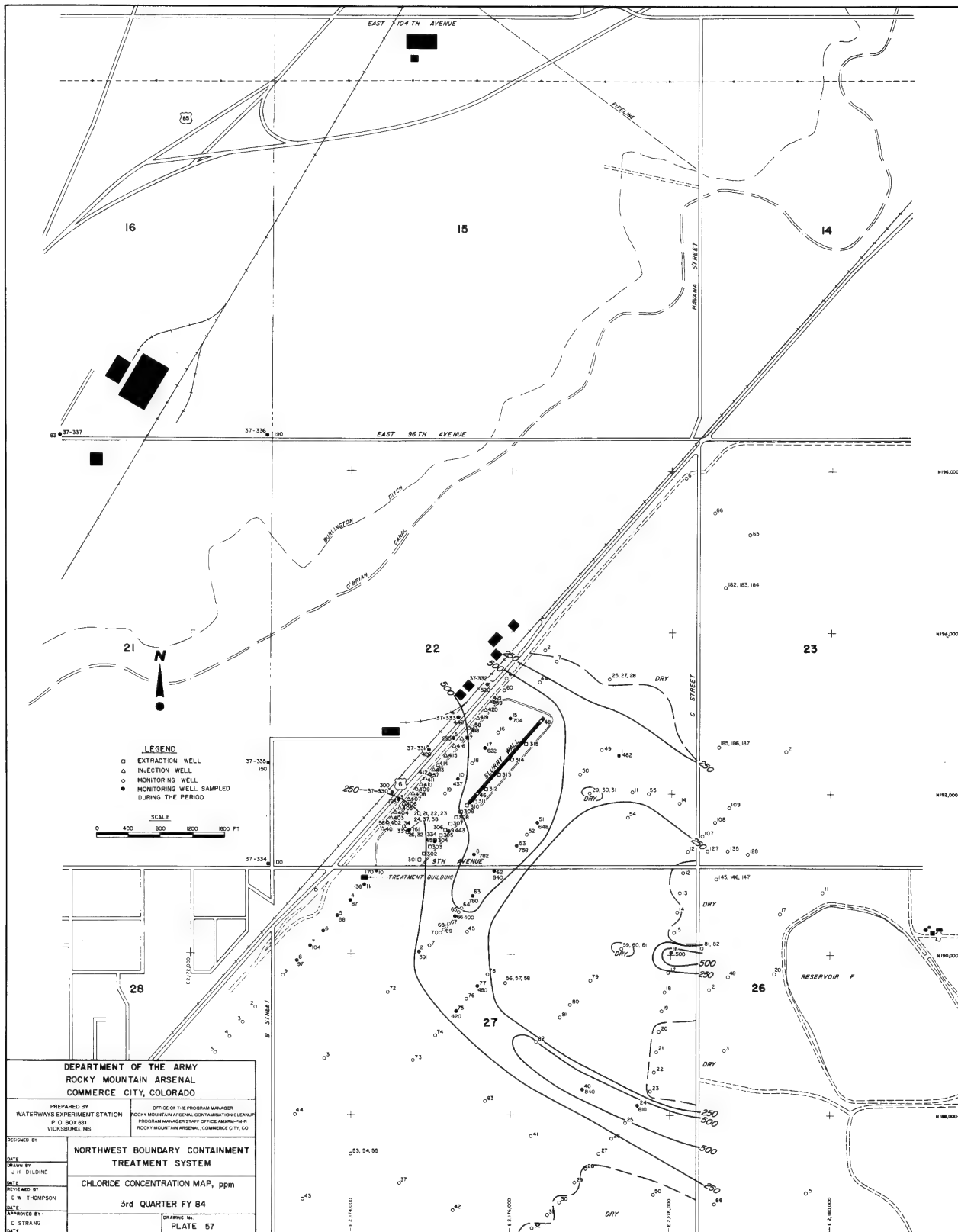


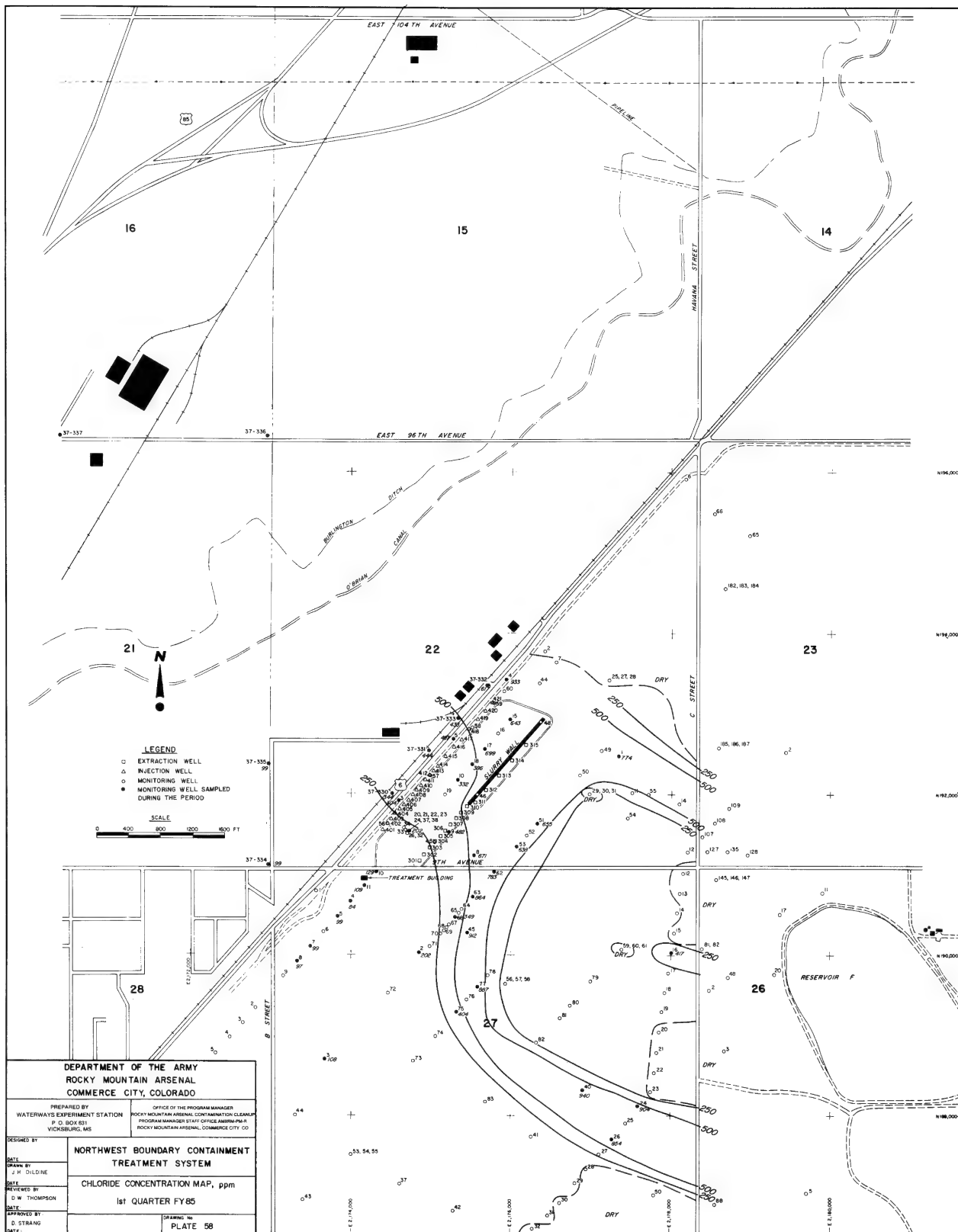


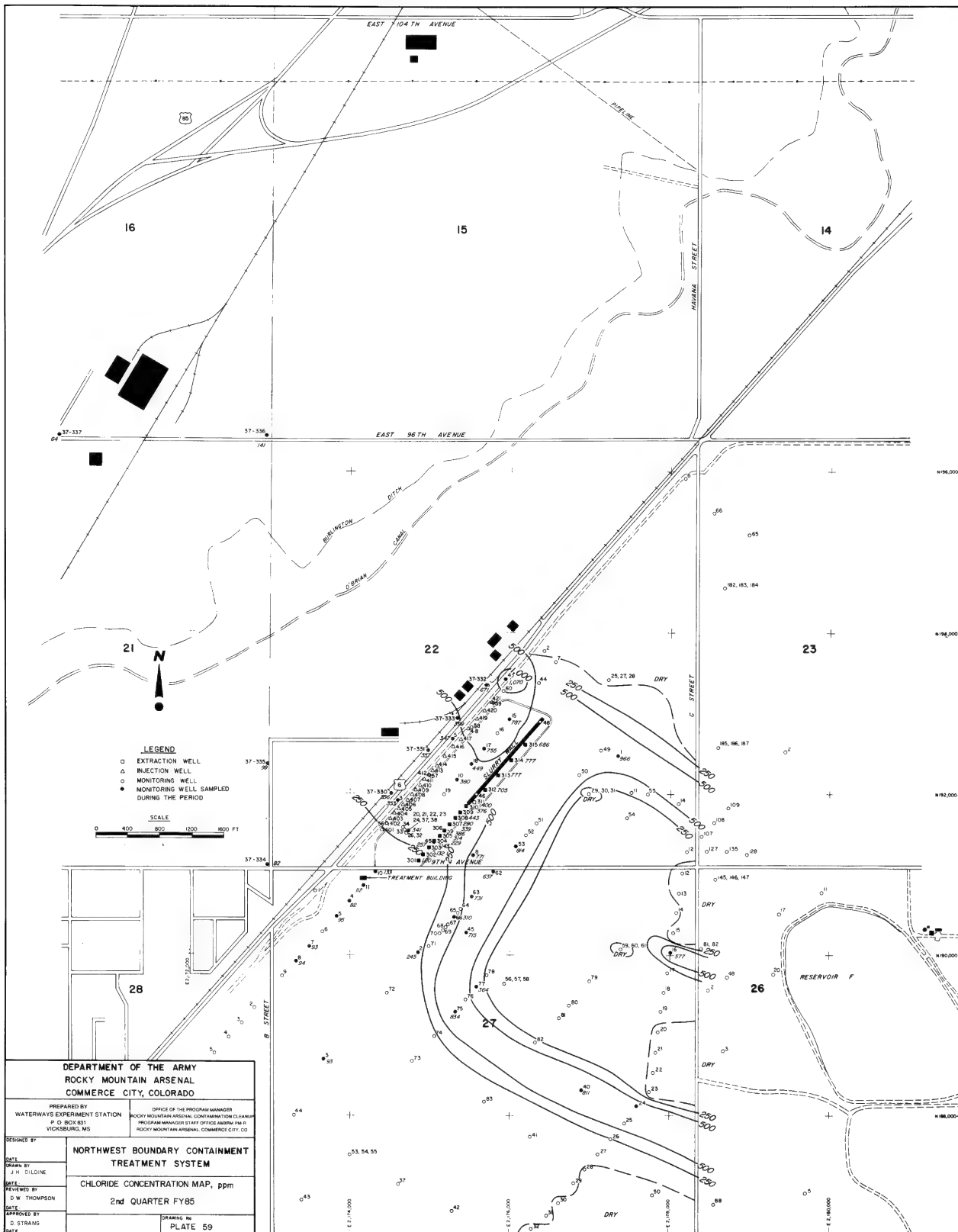


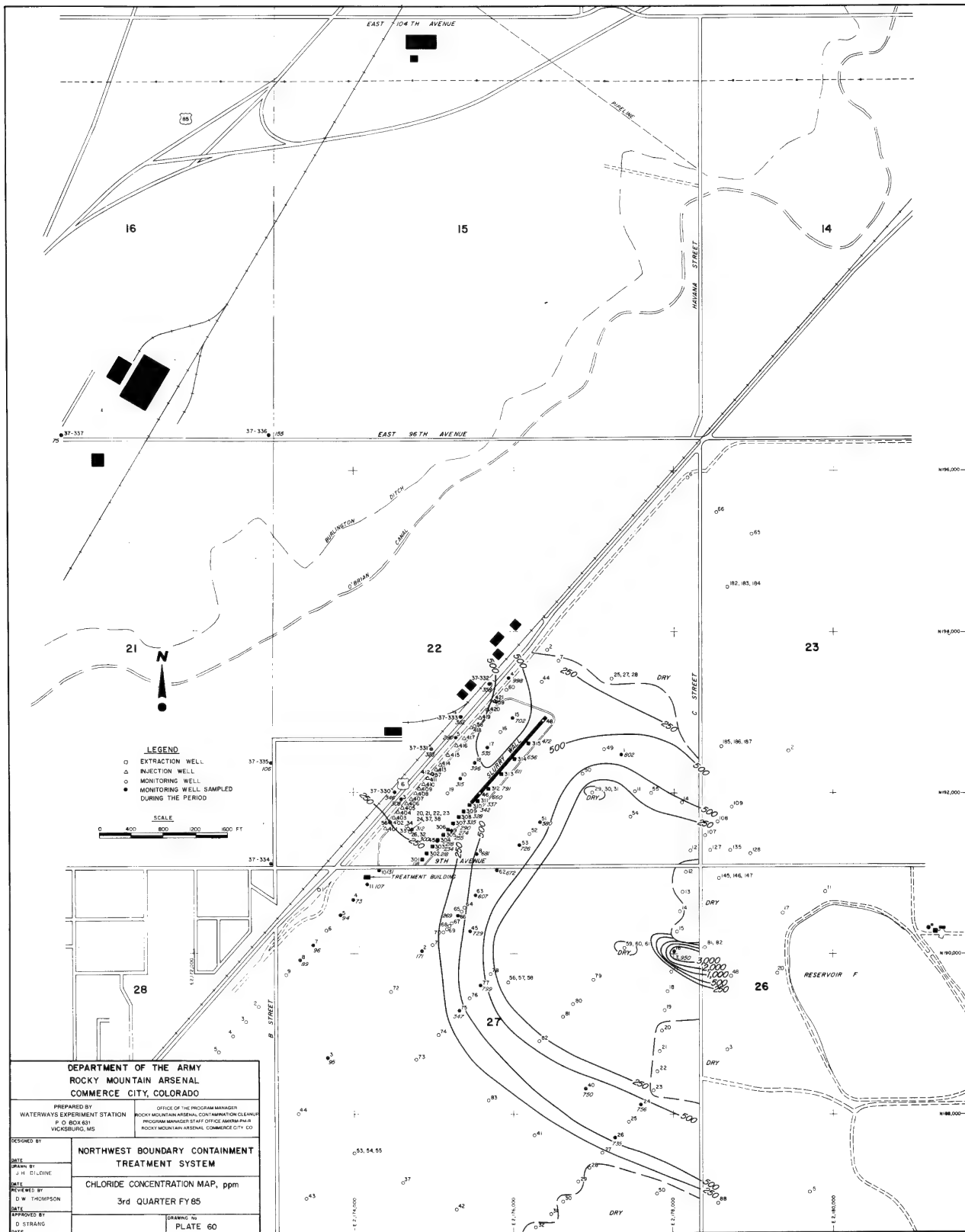


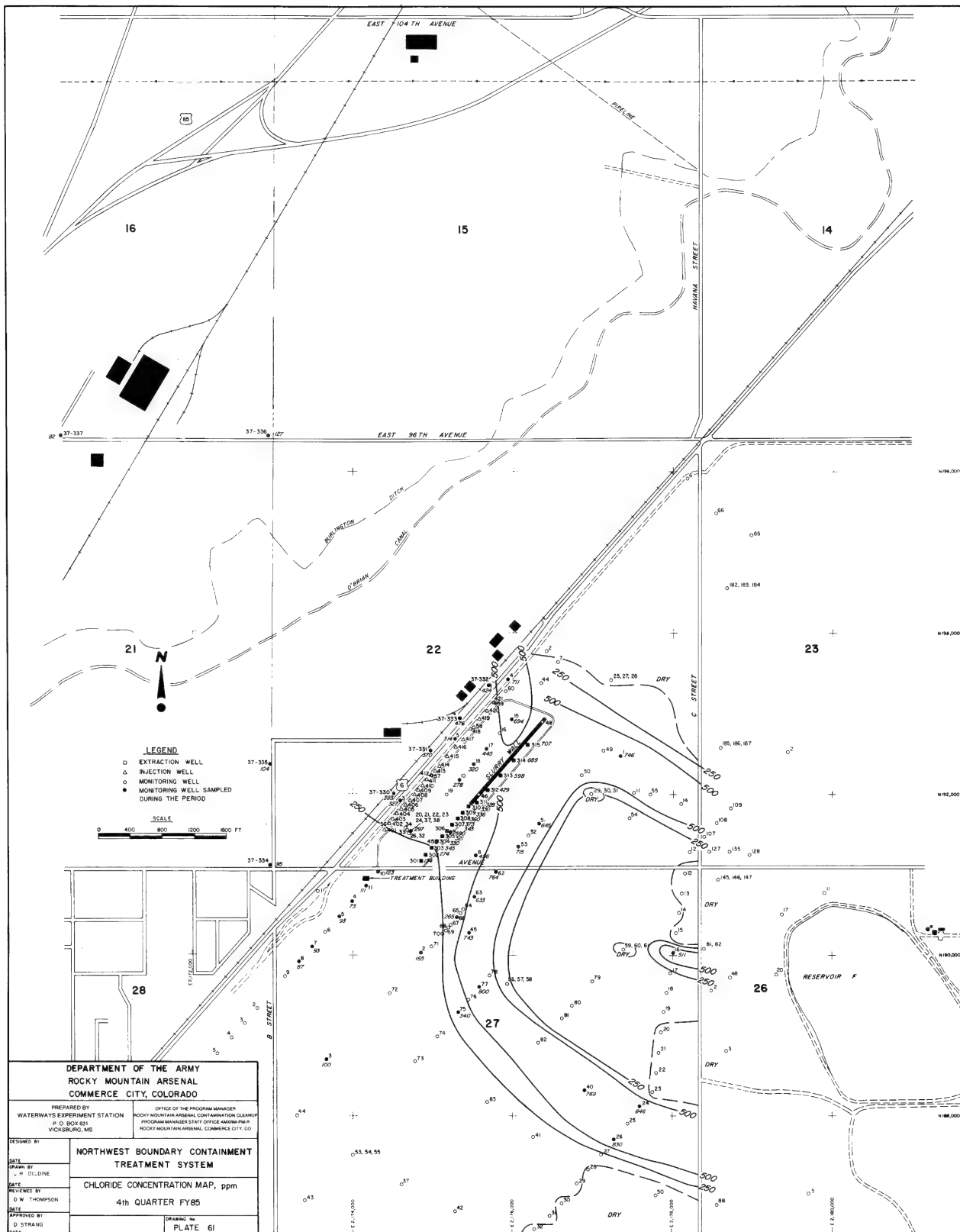


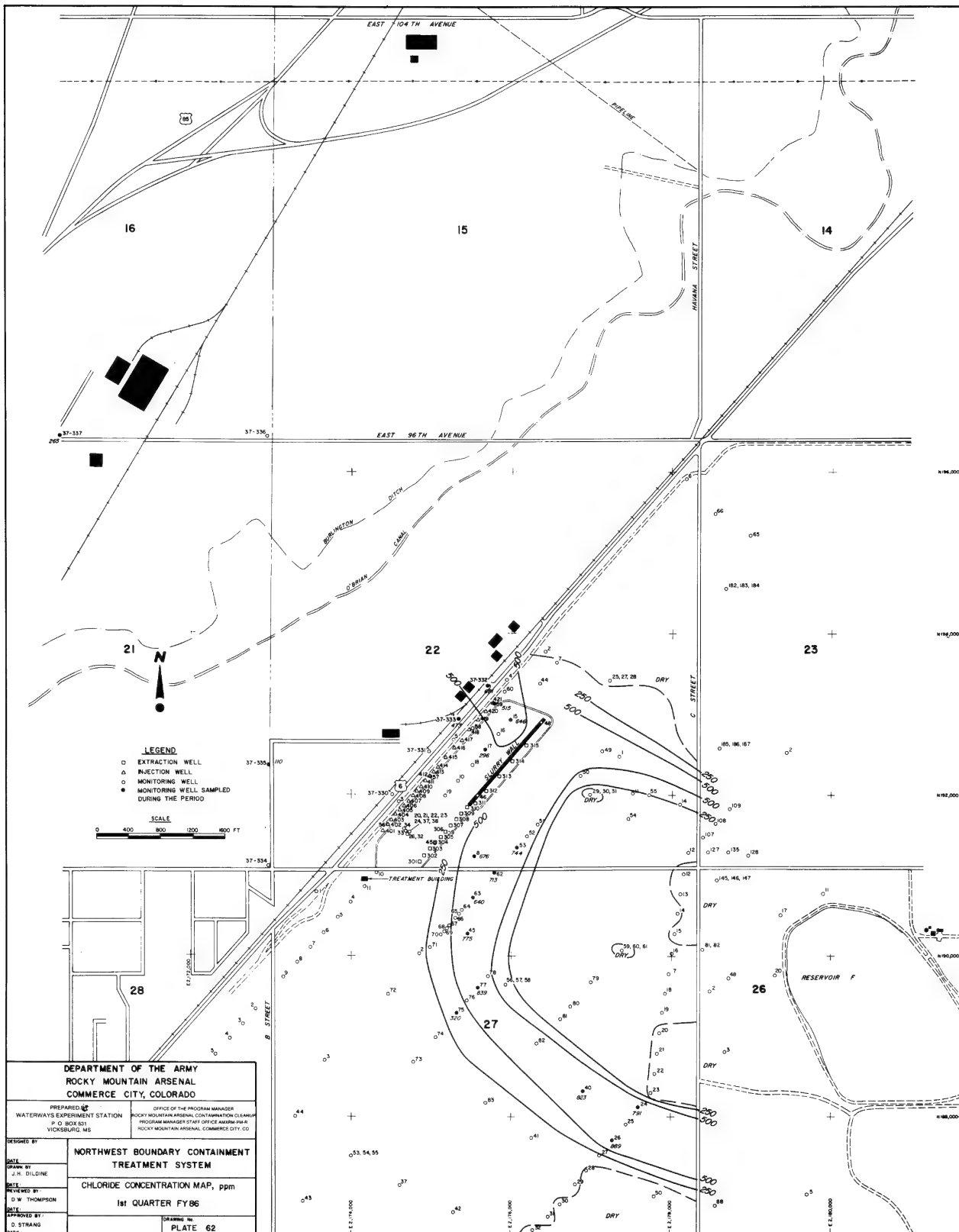




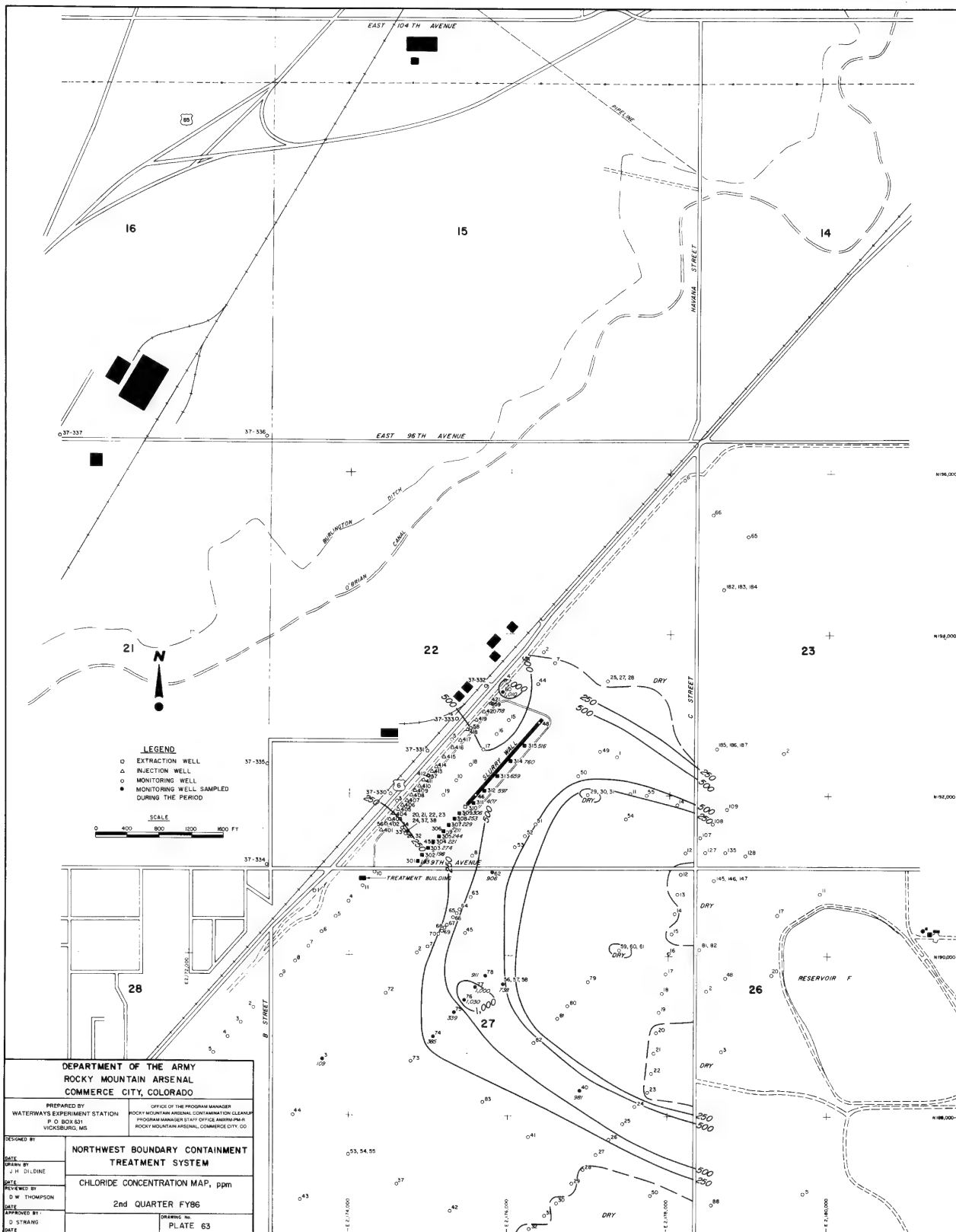


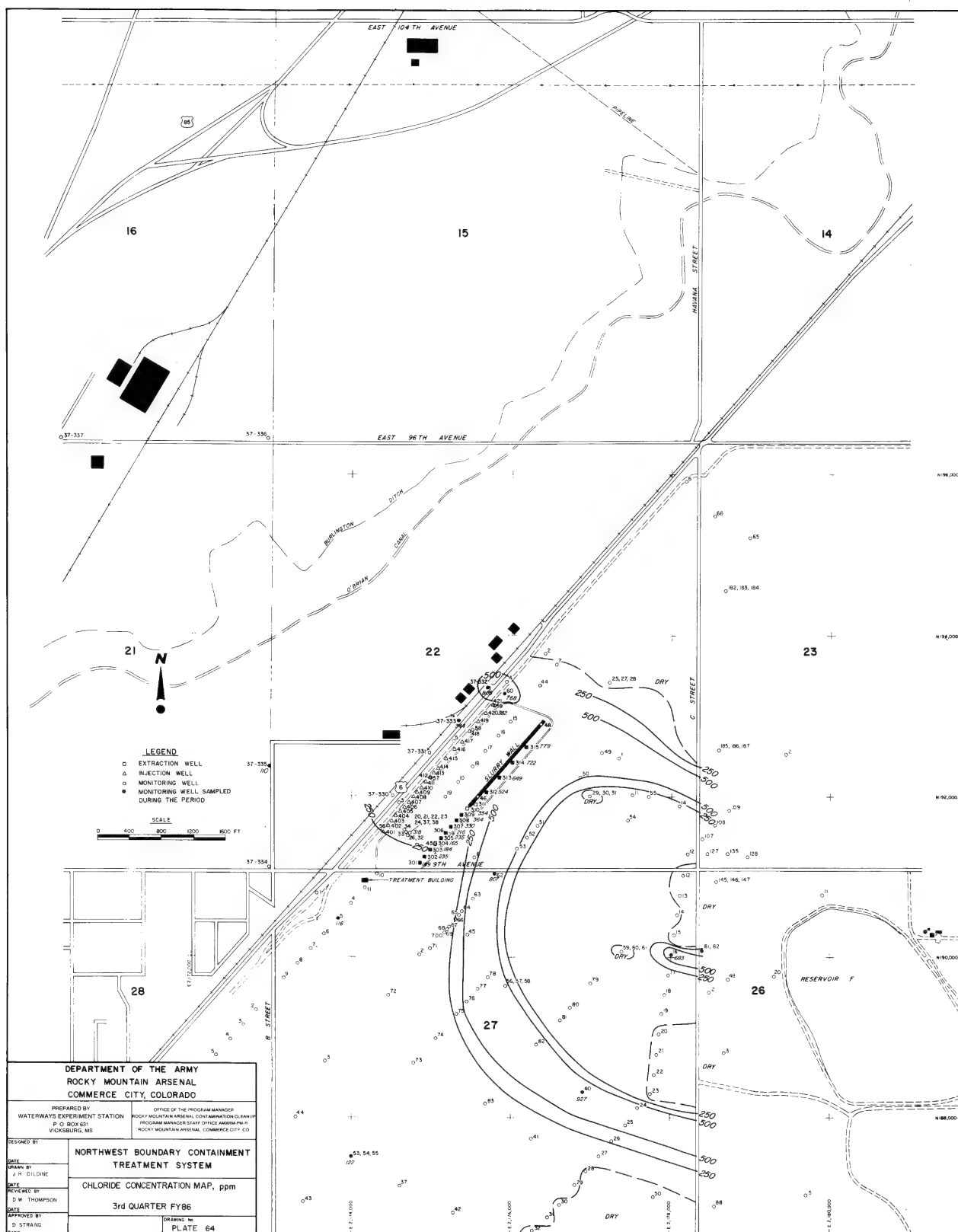


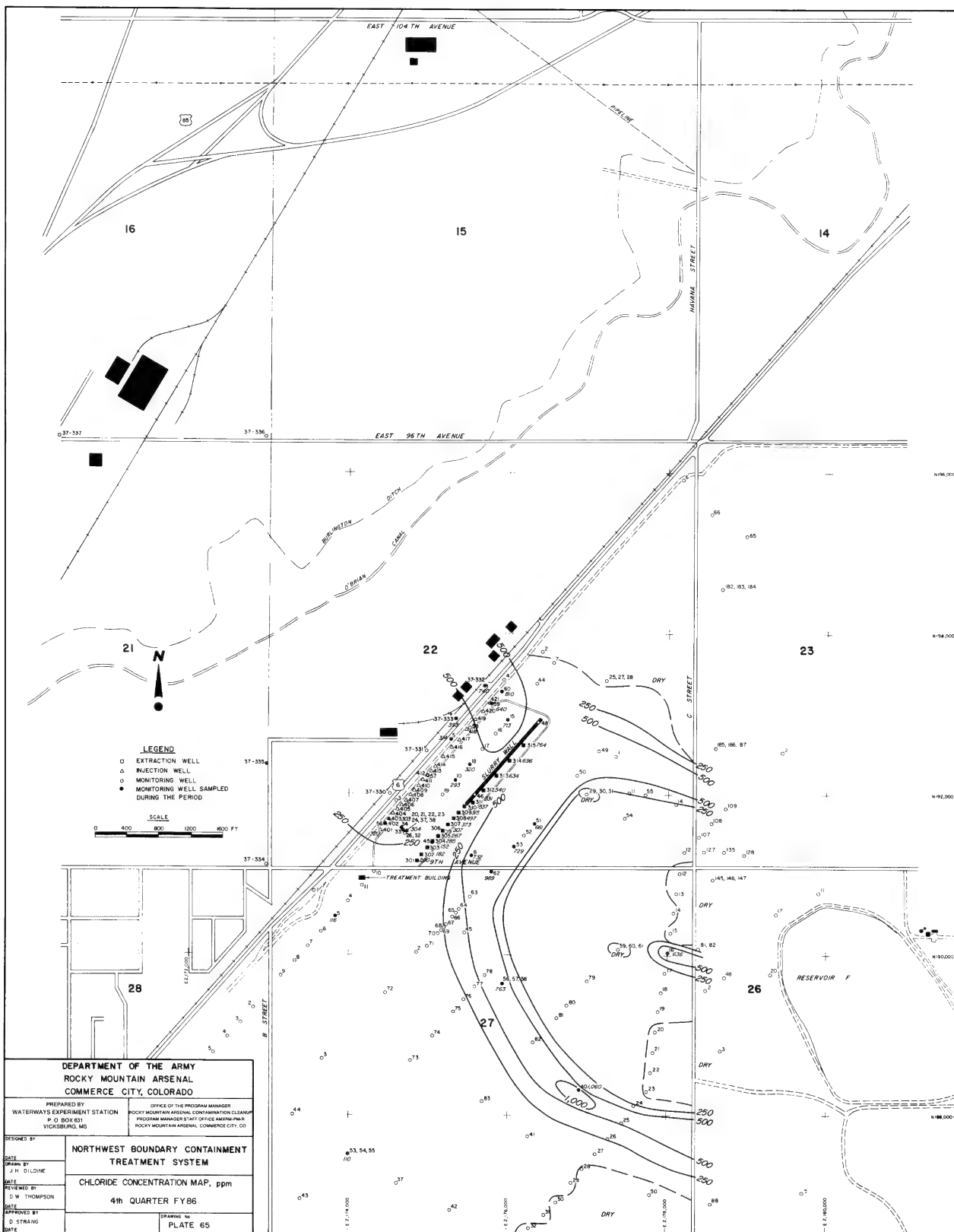




DEPARTMENT OF THE ARMY	
ROCKY MOUNTAIN ARSENAL	
COMMERCE CITY, COLORADO	
PREPARED BY WATERWAYS EXPERIMENT STATION P. O. BOX 631 WYCKSBURG, MD	OFFICE OF THE PROGRAM MANAGER ROCKY MOUNTAIN ARSENAL, CONTAMINATION CLEANUP PROGRAM MANAGER'S OFFICE, 4600 FM 14 ROCKY MOUNTAIN ARSENAL, COMMERCE CITY, CO
DESIGNED BY DATE DRAWN BY J.H. DILLINE DATE CHECKED BY D.W. THOMPSON DATE APPROVED BY D. STRANG DATE	
NORTHWEST BOUNDARY CONTAINMENT TREATMENT SYSTEM	
CHLORIDE CONCENTRATION MAP, ppm	
1st QUARTER FY86	
SHEET NO. PLATE 62	







LEGEND

- EXTRACTION WELL
- △ INJECTION WELL
- MONITORING WELL
- MONITORING WELL SAMPLED DURING THE PERIOD

SCALE
0 400 800 1200 1600 FT

DEPARTMENT OF THE ARMY ROCKY MOUNTAIN ARSENAL COMMERCE CITY, COLORADO	
PREPARED BY WATERWAYS EXPERIMENT STATION P. O. BOX 651 YICKSBURG, MO	OFFICE OF THE PROGRAM MANAGER ROCKY MOUNTAIN ARSENAL, CONTAMINATION CLEANUP PROGRAM MANAGER STAFF OFFICE, 6000 PARK BLVD. ROCKY MOUNTAIN ARSENAL, COMMERCE CITY, CO
DESIGNED BY DATE DRAWN BY J. H. DILLONE DATE CHECKED BY C. W. THOMPSON DATE APPROVED BY D. STRANG DATE	NORTHWEST BOUNDARY CONTAINMENT TREATMENT SYSTEM CHLORIDE CONCENTRATION MAP, ppm 4th QUARTER FY86 PLATE 65

